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L20	(beta-amyloid)	1767	L20
L19	L18 AND beta-amyloid	67	L19
L18	((514/2 )!.CCLS. )	5449	L18
L17	L16 AND beta-amyloid	16	L17
L16	(424/130.1.CCLS.)	1159	L16
L15	L14 AND beta-amyloid	179	L15
L14	((530/300  530/350  530/387.1 )!.CCLS. )	15553	L14
L13	Yednock-T.IN.	5	L13
L12	Yednock-Theodore.IN.	2	L12
L11	Yednock.IN.	33	L11
L10	Bard-Fred.IN.	0	L10
L9	Bard-F.IN.	5	L9
L8	Bard-Frederique.IN.	4	L8
L7	Bard.IN.	705	L7
L6	Schenk-D.IN.	6	L6
L5	Schenk-Dale.IN.	3	L5
L4	Schenk-D-B.IN.	16	L4
L3	Schenk-Dale-B.IN.	21	L3
L2	Schenk.IN.	2234	L2
L1	(Schenck.IN.)	468	L1

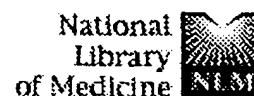
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L6	L3 AND N-terminus	449	L6
L5	L4 AND N-terminus	425	L5
L4	L3 AND Alzheimer	1188	L4
L3	L2 AND antibody	1255	L3
L2	L1 AND beta-amyloid	1767	L2
L1	(amyloid)	6109	L1

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
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
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
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
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
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
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
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
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














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
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
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
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



































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













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
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
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
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
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
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
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
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
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
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


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
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















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
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
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
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
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
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
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
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
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
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
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











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
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
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
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
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
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
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
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
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
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
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











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



















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
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
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
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
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
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
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



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
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
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
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


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


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





































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


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
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
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
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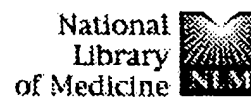
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
















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
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
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
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
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
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

















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
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
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
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
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
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
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

















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


































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
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
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
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
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















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














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
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
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
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
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
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
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
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
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










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














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
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


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
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





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


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
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
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
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
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
















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















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
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
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
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




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













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














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
















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
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
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

















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
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
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
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

















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




















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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
















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
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
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
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
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
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
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

















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TI Simple morphometry of axonal swellings cannot be used in isolation for  
dating lesions after traumatic brain injury.  
AU Leclercq, Pascale D.; Stephenson, Matthew S.; Murray, Lillian S.;  
McIntosh, Tracy K.; Graham, David I.; Gentleman, Stephen M. [Reprint  
author]  
CS Department of Neuroinflammation, Division of Neuroscience and  
Psychological Medicine, Faculty of Medicine, Imperial College of Science,  
Technology and Medicine, St. Dunstan's Road, Charing Cross Campus, London,  
W6 8RP, UK  
s.gentleman@ic.ac.uk  
SO Journal of Neurotrauma, (October, 2002) Vol. 19, No. 10, pp. 1183-1192.  
print.  
ISSN: 0897-7151.  
DT Article  
LA English  
ED Entered STN: 4 Dec 2002  
Last Updated on STN: 4 Dec 2002

L4 ANSWER 2 OF 391 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN  
AN 2001:121222 BIOSIS  
DN PREV200100121222  
TI Intraneuronal Abeta42 immunoreactivity in Down syndrome brain.  
AU Mori, C. [Reprint author]; Spooner, E. T.; Lu, M.; Wisniewski, K.;  
Wisniewski, T.; Yamaguchi, H.; Saido, T. C.; Selkoe, D. J.; Lemere, C. A.  
CS Brigham " Women's Hospital, Harvard Medical School, Boston, MA, USA  
SO Society for Neuroscience Abstracts, (2000) Vol. 26, No. 1-2, pp. Abstract  
No.-764.7. print.  
Meeting Info.: 30th Annual Meeting of the Society of Neuroscience. New  
Orleans, LA, USA. November 04-09, 2000. Society for Neuroscience.  
ISSN: 0190-5295.  
DT Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)  
LA English  
ED Entered STN: 7 Mar 2001  
Last Updated on STN: 15 Feb 2002

L4 ANSWER 3 OF 391 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN  
AN 2001:87711 BIOSIS  
DN PREV200100087711  
TI Ischemia and \*\*\*beta\*\*\* - \*\*\*amyloid\*\*\* peptide immunoreactivity in  
rat brain.  
AU Lin, B. [Reprint author]; Ginsberg, M. D.; Busto, R.; Li, L.  
CS University of Miami School of Medicine, Miami, FL, USA  
SO Society for Neuroscience Abstracts, (2000) Vol. 26, No. 1-2, pp. Abstract  
No.-276.13. print.  
Meeting Info.: 30th Annual Meeting of the Society of Neuroscience. New  
Orleans, LA, USA. November 04-09, 2000. Society for Neuroscience.  
ISSN: 0190-5295.  
DT Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)  
LA English  
ED Entered STN: 14 Feb 2001  
Last Updated on STN: 12 Feb 2002

L4 ANSWER 4 OF 391 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN  
AN 2000:122846 BIOSIS  
DN PREV200000122846  
TI The 68K protease has beta-secretase-like activity for lymphocyte precursor  
protein but not for brain substrate.  
AU Matsumoto, Akira [Reprint author]  
CS Department of Radiation Biophysics and Genetics, Kobe University School of  
Medicine, Kusunoki-cho 7, Kobe, 650-0017, Japan  
SO Neuroreport, (Feb. 7, 2000) Vol. 11, No. 2, pp. 373-377. print.  
CODEN: NERPEZ. ISSN: 0959-4965.  
DT Article  
LA English  
ED Entered STN: 5 Apr 2000  
Last Updated on STN: 3 Jan 2002

L4 ANSWER 5 OF 391 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN  
AN 1999:271844 BIOSIS  
DN PREV199900271844  
TI Platelets and DAMI megakaryocytes possess beta-secretase-like activity.

Kimberly; Long, Heidi J.; Billingslea, Andrea M.; Hastey, Ryan; Johnson, Robin; Fine, Richard E.; Smith, Sally J.; Simons, Elizabeth R.; Davies, Theresa A. [Reprint author]  
 CS Boston University School of Medicine, 80 East Concord St, K6, Boston, MA, 02118, USA  
 SO Journal of Laboratory and Clinical Medicine, (May, 1999) Vol. 133, No. 5, pp. 507-515. print.  
 CODEN: JLCMAK. ISSN: 0022-2143.  
 DT Article  
 LA English  
 ED Entered STN: 15 Jul 1999  
 Last Updated on STN: 15 Jul 1999

L4 ANSWER 6 OF 391 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN  
 AN 1997:202760 BIOSIS  
 DN PREV199799501963  
 TI Cathepsin D displays in vitro beta-secretase-like specificity.  
 AU Chevallier, Nathalie; Vizzavona, Jean; Marambaud, Philippe; Baur, Claus Peter; Spillantini, Maria; Fulcrand, Pierre; Martinez, Jean; Goedert, Michel; Vincent, Jean-Pierre; Checler, Frederic [Reprint author]  
 CS Institut de Pharmacologie Moléculaire et Cellulaire, CNRS, 660 route des Lucioles, Sophia Antipolis, 06560 Valbonne, France  
 SO Brain Research, (1997) Vol. 750, No. 1-2, pp. 11-19.  
 CODEN: BRREAP. ISSN: 0006-8993.  
 DT Article  
 LA English  
 ED Entered STN: 12 May 1997  
 Last Updated on STN: 12 May 1997

L4 ANSWER 7 OF 391 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN  
 AN 1997:69117 BIOSIS  
 DN PREV199799368320  
 TI Enhanced aggregation of \*\*\*beta\*\*\* - \*\*\*amyloid\*\*\* -containing peptides by extracellular matrix and their degradation by the 68 kDa serine protease prepared from \*\*\*human\*\*\* brain.  
 AU Matsumoto, Akira; Enomoto, Taira; Fujiwara, Yoshisada; Baba, Hitsamitsu; Matsumoto, Reiko  
 CS Dep. Radiation Biophysics and Genetics, Kobe Univ. Sch. Med., Kusunoki-cho 7-5-1, Chuo-ku, Kobe 650, Japan  
 SO Neuroscience Letters, (1996) Vol. 220, No. 3, pp. 159-162.  
 CODEN: NELED5. ISSN: 0304-3940.  
 DT Article  
 LA English  
 ED Entered STN: 11 Feb 1997  
 Last Updated on STN: 11 Feb 1997

L4 ANSWER 8 OF 391 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN  
 AN 1996:562789 BIOSIS  
 DN PREV199799292145  
 TI Metabolites of the \*\*\*beta\*\*\* - \*\*\*amyloid\*\*\* precursor protein generated by beta-secretase localise to the trans-Golgi network and late endosome in 293 cells.  
 AU Stephens, David J.; Austen, Brian M. [Reprint author]  
 CS Dep. Surg., St. George's Hosp. Med. Sch., Cranmer Terrace, Tooting, London SW17 0RE, UK  
 SO Journal of Neuroscience Research, (1996) Vol. 46, No. 2, pp. 211-225.  
 CODEN: JNREDK. ISSN: 0360-4012.  
 DT Article  
 LA English  
 ED Entered STN: 23 Dec 1996  
 Last Updated on STN: 23 Dec 1996

L4 ANSWER 9 OF 391 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN  
 AN 1995:460388 BIOSIS  
 DN PREV199598474688  
 TI A serine protease in Alzheimer's disease cells cleaves a 16K-peptide with flanking residues upstream to \*\*\*beta\*\*\* - \*\*\*amyloid\*\*\* - \*\*\*N\*\*\* - \*\*\*terminus\*\*\* as natural substrate.  
 AU Matsumoto, Akira [Reprint author]; Matsumoto, Reiko; Baba, Hisamitsu; Fujiwara, Yoshisada  
 CS Dep. Radiation Biophysics Genetics, Kobe Univ. Sch. Med., Kusunoki-cho 7-5-1, Chuo-ku, Kobe 650, Japan  
 SO Neuroscience Letters, (1995) Vol. 195, No. 3, pp. 171-174.  
 CODEN: NELED5. ISSN: 0304-3940.  
 DT Article

ED Entered STN: 27 Oct 1995  
Last Updated on STN: 27 Oct 1995

L4 ANSWER 10 OF 391 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN  
AN 1995:221264 BIOSIS  
DN PREV199598235564  
TI Characterisation of an \*\*\*antibody\*\*\* relevant to the neuropathology  
of Alzheimer disease.  
AU Jakes, R.; Harrington, C. R.; Spillantini, M. G.; Goedert, M.; Klug, A.  
[Reprint author]  
CS MRC Lab. Mol. Biol., Hills Road, Cambridge CB2 2QH, UK  
SO Alzheimer Disease and Associated Disorders, (1995) vol. 9, No. 1, pp.  
47-51.  
CODEN: ADADE2. ISSN: 0893-0341.  
DT Article  
LA English  
ED Entered STN: 31 May 1995  
Last Updated on STN: 31 May 1995

L4 ANSWER 11 OF 391 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN  
AN 1994:499033 BIOSIS  
DN PREV199497512033  
TI Processing of the pre- \*\*\*beta\*\*\* - \*\*\*amyloid\*\*\* protein by  
cathepsin D is enhanced by a familial Alzheimer's disease mutation.  
AU Dreyer, Robert N.; Bausch, Kathryn M.; Fracasso, Paul; Hammond, Lisa J.;  
Wunderlich, David; Wirak, Dana O.; Davis, Gary; Brini, Carla M.; Buckholz,  
Thomas M.  
CS P. P. Tamburini, Miles Inc., Pharmaceuticals Div., 400 Morgan Lane, West  
Haven, CT 06516, USA  
SO European Journal of Biochemistry, (1994) Vol. 224, No. 2, pp. 265-271.  
CODEN: EJBCAI. ISSN: 0014-2956.  
DT Article  
LA English  
ED Entered STN: 28 Nov 1994  
Last Updated on STN: 29 Nov 1994

L4 ANSWER 12 OF 391 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN  
AN 1994:229461 BIOSIS  
DN PREV199497242461  
TI Ca-2+-dependent 68-kilodalton protease in familial Alzheimer's disease  
cells cleaves the \*\*\*N\*\*\* - \*\*\*terminus\*\*\* of \*\*\*beta\*\*\* -  
\*\*\*amyloid\*\*\*.  
AU Matsumoto, Akira [Reprint author]; Fujiwara, Yoshisada  
CS Dep. Radiation Biophysics and Genetics, Kobe Univ. Sch. Med., Kusunoki-cho  
7-5-1, Chuo-ku, Kobe 650, Japan  
SO Biochemistry, (1994) Vol. 33, No. 13, pp. 3941-3948.  
CODEN: BICHAW. ISSN: 0006-2960.  
DT Article  
LA English  
ED Entered STN: 24 May 1994  
Last Updated on STN: 14 Jul 1994

L4 ANSWER 13 OF 391 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN  
AN 1994:181291 BIOSIS  
DN PREV199497194291  
TI Differential distribution of amyloid protein precursor immunoreactivity in  
the rat brain studied by using five different \*\*\*antibodies\*\*\*.  
AU Beeson, James G.; Shelton, Earl R.; Chan, Hardy W.; Gage, Fred H. [Reprint  
author]  
CS Univ. Calif., San Diego, 9500 Gilman Dr., La Jolla, CA 93093-0627, USA  
SO Journal of Comparative Neurology, (1994) Vol. 342, No. 1, pp. 78-96.  
CODEN: JCNEAM. ISSN: 0021-9967.  
DT Article  
LA English  
ED Entered STN: 26 Apr 1994  
Last Updated on STN: 27 Apr 1994

L4 ANSWER 14 OF 391 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN  
AN 1993:591363 BIOSIS  
DN PREV199497010733  
TI Characterization of \*\*\*beta\*\*\* - \*\*\*amyloid\*\*\* peptide from  
\*\*\*human\*\*\* cerebrospinal fluid.  
AU Vigo-Pelfrey, Carmen [Reprint author]; Lee, Doris; Lieberburg, Pam Vv  
Keiman; Schenk, Dale B.  
CS Athena Neurosciences, Inc., 800F Gateway Boulevard, South San Francisco,

SO Journal of Neurochemistry, (1993) vol. 61, No. 5, pp. 1965-1968.  
 CODEN: JONRA9. ISSN: 0022-3042.  
 DT Article  
 LA English  
 ED Entered STN: 28 Dec 1993  
 Last Updated on STN: 28 Dec 1993

L4 ANSWER 15 OF 391 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN  
 AN 1992:526911 BIOSIS  
 DN PREV199294134986; BA94:134986  
 TI STRONG IMMUNOREACTIVITY OF \*\*\*BETA\*\*\* \*\*\*AMYLOID\*\*\* PRECURSOR  
 PROTEIN INCLUDING THE \*\*\*BETA\*\*\* \*\*\*AMYLOID\*\*\* PROTEIN SEQUENCE AT  
 \*\*\*HUMAN\*\*\* NEUROMUSCULAR JUNCTIONS.  
 AU ASKANAS V [Reprint author]; ENGEL W K; ALVAREZ R B  
 CS USC NEUROMUSC CENT, 637 SOUTH LUCAS AVE, LOS ANGELES, CALIF 90017, USA  
 SO Neuroscience Letters, (1992) vol. 143, No. 1-2, pp. 96-100.  
 CODEN: NELED5. ISSN: 0304-3940.  
 DT Article  
 FS BA  
 LA ENGLISH  
 ED Entered STN: 19 Nov 1992  
 Last Updated on STN: 24 Dec 1992

L4 ANSWER 16 OF 391 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT/ISI on STN  
 AN 2003-14872 BIOTECHDS  
 TI New Activity Dependent Neurotrophic Factor I complex polypeptide, useful  
 for reducing neuronal cell death, treating oxidative stress in a patient,  
 or improving learning and/or memory in a subject with e.g. Alzheimer's  
 disease;  
 protein and \*\*\*antibody\*\*\* useful for disease therapy and  
 diagnosis  
 AU BRENNEMAN D E; CASTELLON R; SPONG C Y; HAUSER J M; GOZES I  
 PA UNIV RAMOT AT TEL AVIV LTD; US DEPT HEALTH and HUMAN SERVICES  
 PI WO 2003022226 20 Mar 2003  
 AI WO 2002-US29146 12 Sep 2002  
 PRAI US 2002-371961 10 Apr 2002; US 2001-322760 12 Sep 2001  
 DT Patent  
 LA English  
 OS WPI: 2003-354501 [33]

L4 ANSWER 17 OF 391 BIOTECHNO COPYRIGHT 2003 Elsevier Science B.V. on STN  
 AN 1996:26391320 BIOTECHNO  
 TI . \*\*\*beta\*\*\* .- \*\*\*amyloid\*\*\* protein precursor in Microcebus  
 murinus: Genotyping and brain localization  
 AU Silhol S.; Calenda A.; Jallageas V.; Mestre-Frances N.; Bellis M.; Bons  
 N.  
 CS Neuromorphologie Fonctionnelle, Ecole Pratique des Hautes Etudes, UMII,  
 Place Eugene Bataillon, 34095 Montpellier Cedex 5, France.  
 SO Neurobiology of Disease, (1996), 3/3 (169-182)  
 CODEN: NUDIEM ISSN: 0969-9961  
 DT Journal; Article  
 CY United States  
 LA English  
 SL English

L4 ANSWER 18 OF 391 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2003:691919 CAPLUS  
 TI Demonstration by FRET of BACE interaction with the amyloid precursor  
 protein at the cell surface and in early endosomes  
 AU Kinoshita, Ayae; Fukumoto, Hiroaki; Shah, Tejal; Whelan, Christa M.;  
 Irizarry, Michael C.; Hyman, Bradley T.  
 CS Alzheimer Disease Research Laboratory, Harvard Medical School,  
 Massachusetts General Hospital, Charlestown, MA, 02129, USA  
 SO Journal of Cell Science (2003), 116(16), 3339-3346  
 CODEN: JNCSAI; ISSN: 0021-9533  
 PB Company of Biologists Ltd.  
 DT Journal  
 LA English

RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 19 OF 391 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2003:300608 CAPLUS  
 DN 138:319696  
 TI \*\*\*Antibodies\*\*\* specific to amyloid .beta. peptide for treating

IN Chain, Daniel G.  
PA Israel  
SO U.S. Pat. Appl. Publ., 28 pp., Cont.-in-part of U.S. Ser. No. 402,820.  
CODEN: USXXCO  
DT Patent  
LA English  
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003073655	A1	20030417	US 2002-84380	20020228
	WO 9844955	A1	19981015	WO 1998-US6900	19980409
	W:				
	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	WO 2003074081	A1	20030912	WO 2002-US31590	20021021
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRAI	US 1997-41850P	P	19970409		
	WO 1998-US6900	W	19980409		
	US 1999-402820	A2	19991012		
	US 2002-84380	A	20020228		

L4 ANSWER 20 OF 391 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 2002:905741 CAPLUS  
DN 137:381934  
TI Detection of Alzheimer's amyloid by magnetic resonance imaging  
IN Wisniewski, Thomas; Turnbull, Daniel; Sigurdsson, Einar M.  
PA New York University, USA  
SO PCT Int. Appl., 48 pp.  
CODEN: PIXXD2

DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002094191	A2	20021128	WO 2002-US16057	20020523
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2003147811	A1	20030807	US 2002-151614	20020523
PRAI	US 2001-292625P	P	20010523		

L4 ANSWER 21 OF 391 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 1998:755708 CAPLUS  
DN 130:137213  
TI Blood brain barrier endothelial cells express candidate amyloid precursor protein-cleaving secretases  
AU Simons, Elizabeth R.; Marshall, Derek C. L.; Long, Heidi J.; Otto, Kim; Billingslea, Andrea; Tibbles, Heather; Wells, John; Eisenhauer, Patricia; Fine, Richard E.; Cribbs, David H.; Davies, Theresa A.; Abraham, Carmela R.  
CS Department of Biochemistry, Boston University School of Medicine, Boston, MA, USA  
SO Amyloid (1998), 5(3), 153-162

PB Parthenon Publishing Group  
DT Journal  
LA English

RE.CNT 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 22 OF 391 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 1997:348622 CAPLUS  
DN 127:31883  
TI Alzheimer's soluble amyloid .beta. is a normal component of \*\*\*\*human\*\*\*\*  
urine  
AU Ghiso, Jorge; Calero, Miguel; Matsubara, Etsuro; Governale, Samuel; Chuba,  
Joseph; Beavis, Ronald; Wisniewski, Thomas; Frangione, Blas  
CS Dep. of Pathology, New York Univ. Medical Center, New York, NY, 10016, USA  
SO FEBS Letters (1997), 408(1), 105-108  
CODEN: FEBLAL; ISSN: 0014-5793  
PB Elsevier  
DT Journal  
LA English
- L4 ANSWER 23 OF 391 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 1997:227599 CAPLUS  
DN 126:291920  
TI GM1 ganglioside-bound amyloid .beta. -protein: A possible form of  
preamyloid  
AU Yanagisawa, Katsuhiko; Ihara, Yasuo  
CS Dep. Dementia Res., Natl. Inst. Obu Sci., Obu, 474, Japan  
SO Shinkei Kenkyu no Shinpo (1997), 41(1), 70-79  
CODEN: SKNSAF; ISSN: 0001-8724  
PB Igaku Shoin  
DT Journal  
LA Japanese
- L4 ANSWER 24 OF 391 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 1996:489433 CAPLUS  
DN 125:139682  
TI Overexpression of a COOH-terminal fragment of . \*\*\*\*beta\*\*\*\* .-  
\*\*\*\*amyloid\*\*\*\* precursor protein in HeLa cells results in accumulation in  
a pre-Golgi compartment and generation of an A.beta.-like fragment  
AU Kuentzel, Sandra L.; Gonzalez-Dewhitt, Patty A.; Lowery, David E.; Altman,  
Richard A.; Leone, Joseph W.; Henrikson, Robert L.; Greenberg, Barry D.;  
Raub, Thomas J.  
CS Drug Delivery Systems Research, Upjohn Company, Kalamazoo, MI, 49001, USA  
SO Amyloid (1996), 3(2), 86-99  
CODEN: AIJIET; ISSN: 1350-6129  
PB Parthenon Publishing  
DT Journal  
LA English
- L4 ANSWER 25 OF 391 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 1996:304682 CAPLUS  
DN 125:7373  
TI A novel brain cysteine protease forms an SDS stable complex with the .  
\*\*\*\*beta\*\*\*\* .- \*\*\*\*amyloid\*\*\*\* precursor protein  
AU Chang, Tien; Abraham, Carmela R.  
CS School of Medicine, Boston University, Boston, MA, 02118, USA  
SO Annals of the New York Academy of Sciences (1996), 777(Neurobiology of  
Alzheimers Disease), 183-188  
CODEN: ANYAA9; ISSN: 0077-8923  
PB New York Academy of Sciences  
DT Journal  
LA English
- L4 ANSWER 26 OF 391 DISSABS COPYRIGHT (C) 2003 ProQuest Information and  
Learning Company; All Rights Reserved on STN  
AN 96:22003 DISSABS Order Number: AAI9607953  
TI PROCESSING OF BETA-APP IN ALZHEIMER'S DISEASE AND DOWN SYNDROME: CATHEPSIN  
S UPREGULATION AND A-BETA HETEROGENEITY (AMYLOID PRECURSOR PROTEIN)  
AU LEMERE, CYNTHIA ANN [PH.D.]; BLUSZTAJN, JAN KRZYSZTOF [advisor]  
CS BOSTON UNIVERSITY (0017)  
SO Dissertation Abstracts International, (1996) Vol. 56, No. 118, p. 5961.  
Order No.: AAI9607953. 196 pages.  
DT Dissertation  
FS DAI  
LA English



Last Updated on STN: 19960402

L4 ANSWER 27 OF 391 DISSABS COPYRIGHT (C) 2003 ProQuest Information and  
AN 93:54275 DISSABS Order Number: AAR9330150  
TI GENERATION OF POTENTIALLY AMYLOIDOGENIC FRAGMENTS FROM THE \*\*\*BETA\*\*\* -  
\*\*\*AMYLOID\*\*\* PRECURSOR PROTEIN BY BRAIN SERINE PROTEASES (ALZHEIMER'S  
DISEASE)  
AU MARTIN, BRONWYN L. [PH.D.]; ABRAHAM, CARMELA R. [advisor]  
CS BOSTON UNIVERSITY (0017)  
SO Dissertation Abstracts International, (1994) vol. 54, No. 6B, p. 3048.  
Order No.: AAR9330150. 342 pages.  
DT Dissertation  
FS DAI  
LA English  
ED Entered STN: 19931119  
Last Updated on STN: 19931119

L4 ANSWER 28 OF 391 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN  
AN ABU08509 peptide DGENE  
TI Enabling measurement of full length \*\*\*beta\*\*\* - \*\*\*amyloid\*\*\*  
peptide level for tracking progression of Alzheimer's disease, comprises  
capturing and binding terminus of \*\*\*beta\*\*\* - \*\*\*amyloid\*\*\*  
peptide with \*\*\*antibodies\*\*\* -  
IN Fong K L  
PA (FONG-I) FONG K L.  
PI US 2002182660 A1 20021205 11p  
AI US 2002-51496 20020118  
PRAI US 2000-183407P 20000218  
US 2001-784854 20010216  
DT Patent  
LA English  
OS 2003-328616 [31]  
DESC \*\*\*Human\*\*\* amyloid beta peptide (1-39).

L4 ANSWER 29 OF 391 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN  
AN ABU08508 peptide DGENE  
TI Enabling measurement of full length \*\*\*beta\*\*\* - \*\*\*amyloid\*\*\*  
peptide level for tracking progression of Alzheimer's disease, comprises  
capturing and binding terminus of \*\*\*beta\*\*\* - \*\*\*amyloid\*\*\*  
peptide with \*\*\*antibodies\*\*\* -  
IN Fong K L  
PA (FONG-I) FONG K L.  
PI US 2002182660 A1 20021205 11p  
AI US 2002-51496 20020118  
PRAI US 2000-183407P 20000218  
US 2001-784854 20010216  
DT Patent  
LA English  
OS 2003-328616 [31]  
DESC \*\*\*Human\*\*\* amyloid beta peptide (1-40).

L4 ANSWER 30 OF 391 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN  
AN ABU08507 peptide DGENE  
TI Enabling measurement of full length \*\*\*beta\*\*\* - \*\*\*amyloid\*\*\*  
peptide level for tracking progression of Alzheimer's disease, comprises  
capturing and binding terminus of \*\*\*beta\*\*\* - \*\*\*amyloid\*\*\*  
peptide with \*\*\*antibodies\*\*\* -  
IN Fong K L  
PA (FONG-I) FONG K L.  
PI US 2002182660 A1 20021205 11p  
AI US 2002-51496 20020118  
PRAI US 2000-183407P 20000218  
US 2001-784854 20010216  
DT Patent  
LA English  
OS 2003-328616 [31]  
DESC \*\*\*Human\*\*\* amyloid beta peptide (1-41).

L4 ANSWER 31 OF 391 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN  
AN ABU08506 peptide DGENE  
TI Enabling measurement of full length \*\*\*beta\*\*\* - \*\*\*amyloid\*\*\*  
peptide level for tracking progression of Alzheimer's disease, comprises  
capturing and binding terminus of \*\*\*beta\*\*\* - \*\*\*amyloid\*\*\*  
peptide with \*\*\*antibodies\*\*\* -

PA (FONG-I) FONG K L.  
 PI US 2002182660 A1 20021205 11p  
 AI US 2002-51496 20020118  
 PRAI US 2000-183407P 20000218  
 US 2001-784854 20010216  
 DT Patent  
 LA English  
 OS 2003-328616 [31]  
 DESC \*\*\*Human\*\*\* amyloid beta peptide (1-42).

L4 ANSWER 32 OF 391 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN  
 AN ABU08505 peptide DGENE  
 TI Enabling measurement of full length \*\*\*beta\*\*\* - \*\*\*amyloid\*\*\*  
 peptide level for tracking progression of Alzheimer's disease, comprises  
 capturing and binding terminus of \*\*\*beta\*\*\* - \*\*\*amyloid\*\*\*  
 peptide with \*\*\*antibodies\*\*\* -  
 IN Fong K L  
 PA (FONG-I) FONG K L.  
 PI US 2002182660 A1 20021205 11p  
 AI US 2002-51496 20020118  
 PRAI US 2000-183407P 20000218  
 US 2001-784854 20010216  
 DT Patent  
 LA English  
 OS 2003-328616 [31]  
 DESC \*\*\*Human\*\*\* amyloid beta peptide (1-43).

L4 ANSWER 33 OF 391 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN  
 AN ABG76102 Protein DGENE  
 TI New purified recombinant catalytically active memapsin 2  
 (beta-secretase), useful for designing and screening of specific  
 inhibitors for the diagnosis, prevention and/or treatment of Alzheimer's  
 disease -  
 IN Lin X; Koelsch G; Tang J J N  
 PA (OKLA-N) OKLAHOMA MEDICAL RES FOUND.  
 PI US 2002164760 A1 20021107 44p  
 AI US 2001-795903 20010228  
 PRAI US 1999-141363P 19990628  
 US 1999-168060P 19991130  
 US 2000-177836P 20000125  
 US 2000-178368P 20000127  
 US 2000-210292P 20000608  
 US 2000-604608 20000627  
 DT Patent  
 LA English  
 OS 2003-246668 [25]  
 DESC \*\*\*Human\*\*\* memapsin 2/T7 fusion protein.

L4 ANSWER 34 OF 391 EMBASE COPYRIGHT 2003 ELSEVIER INC. ALL RIGHTS  
 RESERVED. on STN  
 AN 96343306 EMBASE  
 DN 1996343306  
 TI The 68 kDa .beta.-secretase with heparan sulfate is expressed in serum and  
 lymphocyte cytosol of normal aged and Alzheimer's disease patients.  
 AU Matsumoto A.; Enamoto T.; Fujiwara Y.; Baba H.; Matsumoto R.  
 CS Dept. Radiation Biophysics Genetics, Kobe University School of Medicine,  
 Kusunoki-cho 7-5-1, Chuo-Ku, Kobe 650, Japan  
 SO Alzheimer's Research, (1996) 2/4 (115-119).  
 ISSN: 1356-918X CODEN: ALREFB  
 CY United Kingdom  
 DT Journal; Article  
 FS 005 General Pathology and Pathological Anatomy  
 008 Neurology and Neurosurgery  
 029 Clinical Biochemistry  
 LA English  
 SL English

L4 ANSWER 35 OF 391 FEDRIP COPYRIGHT 2003 NTIS on STN  
 AN 2003:166129 FEDRIP  
 NR CRISP 1Z01DK29029-06  
 TI New Solid State Nmr Methodology For Structural Studies o  
 SF Principal Investigator: TYCKO, ROBERT  
 CSS Supported By: NATIONAL INSTITUTE OF DIABETES AND DIGESTIVE AND KIDNEY  
 DISEASES  
 FYR 2002

FS National Institutes of Health

L4 ANSWER 36 OF 391 IFIPAT COPYRIGHT 2003 IFI on STN

AN 10380918 IFIPAT;IFIUDB;IFICDB

TI COMPOUNDS, COMPOSITIONS AND METHODS FOR MODULATING \*\*\*BETA\*\*\* -

\*\*\*AMYLOID\*\*\* PRODUCTION

IN Connop Bruce P (CA); Grant Amelia (CA); Nathwani Parimal S (CA)

PA Active Pass Pharmaceuticals Inc CA

PI US 2003125338 A1 20030703

AI US 2002-170224 20020612

PRAI US 2001-297845P 20010612 (Provisional)

US 2001-309257P 20010731 (Provisional)

FI US 2003125338 20030703

DT Utility; Patent Application - First Publication

FS CHEMICAL  
APPLICATION

CLMN 48

GI 8 Figure(s).

FIG. 1 is a bar graph showing the effect of PPAR alpha and/or PPAR delta agonist pirinixic acid on production and/or release of A beta-40 and A beta-42 from SM-4 cells. Cells were treated with 10-500 mu M pirinixic acid. After 16 hr, the culture media was harvested and assayed for extracellular levels of A beta-40 and A beta-42 by ELISA. Extracellular A beta was standardized to propidium iodide fluorescence as a measure of total cell number. Data are expressed as mean+SD with n=3-13 and statistical significance determined by ANOVA with Tukey's post hoc test at \*\*\*p less-than 0.001. Double hatched bars indicate A beta-40 levels and hatched bars indicate A beta-42 levels.

FIG. 2 is a bar graph showing the effect of Clofibrate on levels of extracellular levels of A beta-40 and A beta-42 from SM-4 cells. Cells were treated with 10-500 mu M Clofibrate. After 16 hrs, the culture media was harvested and assayed for extracellular A beta-40 and A beta-42 by ELISA. Secreted A beta was standardized to propidium iodide fluorescence as a measure of total cell number. Data are expressed as mean+SD with n=5 and statistical significance determined by ANOVA with Tukey's post hoc test at \*\*\*p less-than 0.001. Double hatched bars represent A beta-40 levels as a percent of vehicle, hatched bars represent A beta-42 levels as a percent of vehicle.

FIG. 3 is a bar graph showing the effect of ETYA on levels of extracellular levels of A beta-40 and A beta-42 from SM-4 cells. Cells were treated with 5-100 mu M ETYA. After 16 hrs, the culture media was harvested and assayed for extracellular A beta-40 and A beta-42 by ELISA. Secreted A beta was standardized to propidium iodide fluorescence as a measure of total cell number. Data are expressed as mean+SD with n=5 and statistical significance determined by ANOVA with Tukey's post hoc test at \*p less-than 0.05 and \*\*p less-than 0.01. Double hatched bars represent A beta-40 levels as a percent of vehicle, and hatched bars represent A beta-42 levels as a percent of vehicle.

FIG. 4 is a representative micrograph (upper panel) and a bar graph (lower panel) showing the effect of PPAR alpha and/or PPAR delta agonist pirinixic acid on cellular APP levels from SM-4 cells. Cells were treated with 50-500 mu M pirinixic acid for 16 hours and cellular APP was quantitated by western blot analysis. Data are expressed as mean+SD with n=4 and statistical significance determined by ANOVA with Tukey's post hoc test at \*p less-than 0.05 and \*\*p less-than 0.01.

FIG. 5 is a representative micrograph (upper panel) and a bar graph (lower panel) showing the effect of PPAR alpha and/or PPAR delta agonist pirinixic acid on APPs alpha release from SM4 cells. Cells were treated with 50-500 mu M pirinixic acid for 16 hours and APPs alpha release was quantitated by western blot analysis. Data are expressed as mean+SD with n=4 and statistical significance determined by ANOVA with Tukey's post hoc test at \*\*p less-than 0.01.

FIG. 6 is a representative micrograph (upper panel) and a bar graph (lower panel) showing the effect of PPAR alpha and/or PPAR delta agonist pirinixic acid on C99 levels from SM-4 cells. Cells were treated with 50-500 mu M pirinixic acid for 16 hours and C99 was quantitated by Western blot analysis. Data are expressed as mean+SD with n=4 and statistical significance determined by ANOVA with Tukey's post hoc test at \*\*p less-than 0.01.

FIG. 7 is a bar graph showing the effect of PPAR alpha and/or PPAR delta agonist pirinixic acid on secreted A beta-40 and A beta-42 from \*\*\*human\*\*\* neuroblastoma cells. Cells were treated with 100-200 mu M of pirinixic acid after transient transfection with Swedish mutant APP. After a 16-hour treatment, the culture media was harvested and assayed for A beta-40 and A beta-42 by ELISA as described in the Methods and

fluorescence as a measure of total cell number. Data are expressed as mean+SD with n=11 and statistical significance determined by ANOVA with Tukey's post hoc test at \*\*\*p less than 0.001.

FIG. 8 is a bar graph showing the effect of PPAR alpha and/or PPAR delta agonist pirinixic acid on A beta total and A beta42 from murine primary cortical neurons infected with APP 695. Cells were treated with 5-250 mu M pirinixic acid for 16 hours and A beta total and A beta-42 levels were quantitated by immunoprecipitation and ELISA, respectively. Data are expressed as mean+SD with n=6 and statistical significance determined by ANOVA with Tukey's post hoc test at \*\*p less than 0.01, \*\*\*p less than 0.001.

L4 ANSWER 37 OF 391 IFIPAT COPYRIGHT 2003 IFI on STN  
AN 10347569 IFIPAT;IFIUDB;IFICDB  
TI EPITOPE-TAGGED \*\*\*BETA\*\*\* - \*\*\*AMYLOID\*\*\* PRECURSOR PROTEIN AND  
METHODS FOR MONITORING CELLULAR PROCESSING THEREOF  
IN Mitchell Thomas J; Seiffert Dietmar A  
PA Unassigned Or Assigned To Individual (68000)  
PI US 2003091983 A1 20030515  
AI US 2002-326049 20021220  
RLI US 2000-481980 20000112 DIVISION 6518011  
PRAI US 1999-115749P 19990113 (Provisional)  
FI US 2003091983 20030515  
US 6518011  
DT Utility; Patent Application - First Publication  
FS CHEMICAL  
APPLICATION

CLMN 18  
GI 12 Figure(s).

FIG. 1 Shows a possible location of an epitope tag in the A-beta sequence of the beta-APP and predicted accumulation of epitope tagged cleavage fragments. The A-beta fragment (1-42), with the proposed proteolytic cleavage sites for secretases (alpha-, beta-, gamma 1 (40)-, and gamma 2 (42)), is indicated. The epitope tag in this example is centered on the alpha secretase site (amino acids 16 to 17 in A-beta). Cleavage by beta and gamma secretases is expected to lead to an accumulation of epitope tagged A-beta (1-40) and A-beta (1-42) in the conditioned medium, whereas cleavage by alpha secretase (within the epitope tag) is expected to destroy or reduce the accumulation of epitope tagged A-beta fragments in the conditioned medium.

FIG. 2 Shows an immunoblot analysis of HEK 293 ( \*\*\*human\*\*\* embryonic kidney cell line, ATTC #CRL-1573) cell lysates after transfection with epitope-tagged beta-APP. Cell lysates were prepared by lysis of HEK 293 cells into SDS and were fractionated by SDS-PAGE, followed by transfer to nitrocellulose membranes. The membranes were developed with mAB 22C11 (epitope in the \*\*\*N\*\*\* - \*\*\*terminus\*\*\* of full-length beta-APP; lanes 1 and 2), mAB anti HA 11 (influenza hemagglutinin epitope: YPYDVPDYA)(SEQ ID NO:6) (directed to the HA 11 epitope tag; lanes 3 and 4), and mAB 9E10 (directed to the myc epitope tag; lanes 5 and 6). Lane 1, HEK 293 cells transfected with HA 11 beta-APP 695; lane 2, HEK 293 cells transfected with vector alone ('Mock-transfection'); lane 3, HEK 293 cells transfected with HA 11 beta-APP 695; lane 4, HEK 293 cells transfected with vector alone; lane 5, HEK 293 cells transfected with myc betaAPP 695; lane 6, HEK 293 cells transfected with vector alone. The relative mobility of molecular weight standards is indicated to the left.

FIG. 3 Shows an accumulation of beta-APP fragments into HEK 293 conditioned medium. The 24 hour serum-free conditioned medium (lanes 1 and 2) or cell lysates (lanes 3 and 4) of HEK 293 cells transfected with vector alone (lanes 1 and 3) or HA 11 beta-APP 695 (lanes 2 and 4) were harvested. The resulting polypeptides were fractionated by SDS-PAGE (10% acrylamide in separating gel) and transferred to nitrocellulose membranes. Panel A was developed with mAB anti-HA 11, whereas panel B was developed with mAB 22C11. The relative mobility of molecular weight standards is indicated to the right.

FIG. 4 Shows the detection of epitope-tagged beta-APP fragments in HEK 293 conditioned medium after transfection with HA 11 beta-APP 695.

Panel A: Microtiter wells were coated with mAB anti-HA 11 and after blocking, incubated with a dose-response of a synthetic HA 11 A-beta (1-40) peptide containing the HA 11 epitope centered on the alpha secretase cleavage site. Bound A-beta HA 11 was detected with polyclonal \*\*\*antibodies\*\*\* specific for position 1 (Serotec) or position 40 (QCB), followed by HRP-labeled anti-rabbit IgG and TMB substrate. The change of absorbance at 650 nm was monitored and results are corrected for binding of secondary \*\*\*antibodies\*\*\* to wells not incubated with the A-beta HA 11 peptide. Results are expressed as change of absorbance

Panel B: Microtiter wells were coated as in panel A and incubated with the indicated dilutions of HEK 293/HA 11 betaAPP 695 conditioned medium (24 hours). Bound HA 11 beta-APP 695 fragments were detected with \*\*\*antibodies\*\*\* specific for position 1 and 40 as in panel A. Results are expressed and corrected as in panel A.

FIG. 5 Shows a time-course of the accumulation of HA 11 A-beta (1-40) and A-beta (1-42) in HEK 293/HA 11 beta-APP 695 conditioned medium. HEK 293/HA 11 beta-APP 695 was cultured in serum-free medium containing 0.2% bovine serum albumin in 96well microtiter plates for the indicated time intervals. The accumulation of HA 11 A-beta (1-40) and A-beta (1-42) was determined. For HA 11 A-beta polypeptides ending at position 40, microtiter wells were coated with mAB anti-HA 11 and bound polypeptides were detected with rabbit anti-A-beta 40 (QCB), followed by HRP-labeled anti-rabbit IgG. For the position 42specific ELISA, microtiter wells were coated with mAB anti-HA 11, and bound polypeptides were detected with biotin-labeled mAB 108 (position 42-specific), followed by streptavidin-HRP conjugate. Results are corrected for binding of secondary \*\*\*antibodies\*\*\* in the absence of conditioned medium and expressed as change of absorbance at 650 nm per minute (MOD/minute).

FIG. 6 Shows the effect of MDL 28170 and Brefeldin A on the accumulation of HA 11 A-beta (1-40) in HEK 293/HA 11 beta-APP 695 conditioned medium. HEK 293/HA 11 beta-APP 695 cells were plated at confluence in 96-well plates and the indicated doseresponse of either MDL 28170 (panel A), or Brefeldin A (panel B) was added for 16 hours. The accumulation of HA 11 A-beta (1-40) (position 40-specific \*\*\*antibody\*\*\* ; QCB) was determined as in FIG. 5. Results are expressed as percentage inhibition of HA 11 Abeta (1-40) accumulation in comparison to wells incubated with vehicle (dimethyl sulfoxide, DMSO) alone.

FIG. 7 Shows an isolation of HA 11 A-beta from HEK 293/HA 11 beta-APP 695 cells. Conditioned medium (serum-free containing 0.2% BSA) was passed over an mAB anti-HA 11 affinity matrix. After washing, the column was eluted with 5% formic acid in water. The peak fractions were pooled, dried in a Speed-Vac, resuspended in water and the pH was adjusted to 7.4 with Tris.

Panel A: The starting material, flow-through, and the pooled elution fractions (after dilution to account for the concentration of the HA 11 A-beta on the column) were analyzed by ELISA specific for position 40 in HA 11 A-beta as in FIGS. 4 and 5.

Panel B: The indicated dilutions of the pooled elution fractions were analyzed by ELISA specific for position 1, 40, and 42 in HA 11 A-beta. Note that approximately equal immunoreactivity is present for the position 1 and 40 \*\*\*antibodies\*\*\*, whereas the 42specific reactivity is lost with 10-fold lesser dilution.

Panel C: The elution fractions were analyzed by SDS PAGE (16.5% polyacrylamide in separating gel), followed by immunoblotting with mAB anti-HA 11, followed by HRP-labeled anti-mouse Ig, and chemiluminescence detection (ECL tm, Amersham). Lane 1, elution fraction, stained with mAB anti-HA 11; lane 2, elution fraction spiked with HA 11 A-beta peptide (50 ng); lane 3, purified A-beta HA 11 1-40 peptide; and lane 4, elution fraction, stained under omission of anti-HA 11.

L4 ANSWER 38 OF 391 IFIPAT COPYRIGHT 2003 IFI on STN  
 AN 10143206 IFIPAT;IFIUDB;IFICDB  
 TI RECOMBINANT \*\*\*ANTIBODIES\*\*\* SPECIFIC FOR \*\*\*BETA\*\*\* -  
 \*\*\*AMYLOID\*\*\* ENDS, DNA ENCODING AND METHODS OF USE THEREOF; DNA  
 ENCODING A RECOMBINANT \*\*\*ANTIBODY\*\*\* MOLECULE END-SPECIFIC FOR AN  
 AMYLOID-BETA PEPTIDE FOR PREVENTING OR INHIBITING PROGRESSION OF  
 ALZHEIMER'S DISEASE  
 IN Chain Daniel G (IL)  
 PA Mindset Biopharmaceuticals USA  
 PI US 2002086847 A1 20020704  
 AI US 2001-975932 20011015  
 RLI US 1999-402820 19991012 DIVISION PENDING  
 WO 1998-US6900 19980409 Section 371 PCT Filing UNKNOWN  
 PRAI US 1997-41850P 19970409 (Provisional)  
 FI US 2002086847 20020704  
 DT Utility; Patent Application - First Publication  
 FS CHEMICAL  
 APPLICATION  
 CLMN 30  
 GI 5 Figure(s).

FIG. 1 shows a schematic representation of the \*\*\*beta\*\*\* -  
 \*\*\*amyloid\*\*\* precursor protein (beta APP) and the products of alpha,  
 beta, and gamma-secretase cleavage. The general locations of various  
 domains are indicated along with the cleavage sites (alpha, beta, gamma)

expression and secretion of ectopic A beta-end-specific  
 \*\*\*antibodies\*\*\* in the CNS inhibits (1) the accumulation of A beta  
 peptides and (2) the neurotoxic consequences of amyloid deposition  
 without affecting the biological functions of the soluble \*\*\*beta\*\*\* -  
 \*\*\*amyloid\*\*\* precursor protein.

FIG. 2 shows the amino acid sequence (SEQ ID NO:1) of the region in beta  
 APP from which \*\*\*beta\*\*\* - \*\*\*amyloid\*\*\* peptides (A beta) are  
 derived. The arrows indicate the alpha-, beta- or gammasecretase cleavage  
 sites, and the amino acid residues corresponding to the synthetic  
 peptides to be used as immunogens are indicated underneath the sequence  
 by line segments.

FIGS. 3A-3D schematically show the structure of a whole \*\*\*antibody\*\*\*  
 (FIG. 3A) with the variable domain of heavy (VH) and light (VL) chains  
 and the constant domain(s) of light (CL) and heavy (CH1, CH2, CH3)  
 chains, a Fab fragment (FIG. 3B), a Fv fragment (FIG. 3C), and a single  
 chain Fv fragment (scFv) (FIG. 3D). The Fab fragment shown in FIG. 3B  
 consists of a variable domain of heavy VH and light VL chain and the  
 first constant domain (CH1 and CL) joined by a disulfide bridge. The Fv  
 fragment shown in FIG. 3C represents the antigen binding portion of an  
 \*\*\*antibody\*\*\* formed by a non-covalently linked variable region  
 complex (VHVL), whereas the single chain Fv shown in FIG. 3D joins the  
 variable heavy VH with the variable light VL chain via a peptide linker.

FIG. 4 schematically shows the construction of a scFv \*\*\*antibody\*\*\*  
 by cloning the variable region of an end-specific anti-A beta monoclonal  
 \*\*\*antibody\*\*\* using the PCR amplification technique with primers A, B,  
 C and D, and then joining together the variable heavy VL chain and the  
 variable light VL chain with an interchain peptide linker (ICL). The  
 shaded area represents hypervariable regions of the antigen binding site  
 and LP designates the leader peptide of the heavy and light chains.

FIG. 5 shows a schematic representation of the AAV ScFv alpha A beta  
 vector with the inverted terminal repeats (ITR), \*\*\*human\*\*\* beta APP  
 promoter (Hu beta APPP), SV40 polyadenylation signal (SV40pA) indicated.  
 The plasmid backbone is pSSV9.

L4 ANSWER 39 OF 391 IFIPAT COPYRIGHT 2003 IFI on STN  
 AN 10016325 IFIPAT;IFIUDB;IFICDB  
 TI IDENTIFICATION OF AGENTS THAT PROTECT AGAINST INFLAMMATORY INJURY TO  
 NEURONS; PREVENTION COMPLEXING  
 IN GIULIAN DANA  
 PA Unassigned Or Assigned To Individual (68000)  
 PI US 2001016327 A1 20010823  
 AI US 1997-923055 19970903  
 RLI US 1996-717551 19960920 DIVISION 6071493  
 FI US 2001016327 20010823  
 US 6071493  
 DT Utility; Patent Application - First Publication  
 FS CHEMICAL  
 APPLICATION  
 CLMN 99  
 GI 29 Figure(s).

FIG. 1 displays the chemical structure of NTox, a neurotoxin released by  
 microglia and macrophages after exposure to senile plaques in vitro or in  
 vivo. Chemical and enzymatic modifications of the isolated toxin have  
 identified within NTox a phenolic hydroxyl group sensitive to tyrosinase,  
 a ring structure sensitive to reduction by rhodium, and a terminal amine  
 sensitive to fluorecamine (fluram) or plasma amine oxidase (PAO).

FIGS. 2A and B display steps in the isolation of NTox from frozen  
 Alzheimer brain gray matter that involved extractions into ethyl acetate,  
 acid hydrolysis and sequential gradient reverse phase high performance  
 liquid chromatography (RP-HPLC). FIG. 2A shows the final step of  
 purification by RP-HPLC, using a C18 column and an acetonitrile gradient,  
 shows a peak with elution at about 14% acetonitrile. Importantly, this  
 peak is found in Alzheimer but not in control brain and corresponds to  
 activity which is highly toxic to ciliary neurons. FIG. 2B displays the  
 degree of purification of neurotoxin from Alzheimer brain tissue. Dose  
 response curves show that the ED50= 10 mu M in the ultrafiltrate compared  
 with 100 pM for highly purified toxin following acid hydrolysis and C18  
 RP-HPLC. From such preparations, estimations of greater-than 100,000  
 fold purification of toxin from \*\*\*human\*\*\* brain. The phenolic  
 content is estimated by UVmax at 265 nm with a similar result obtained  
 when values are normalized to amine content measured by fluorecamine.

FIG. 3 shows the correlation between microglial clusters found in  
 Alzheimer brain and levels of extracted neurotoxins. NTox was isolated  
 from tissue blocks by aqueous extraction and 2step ion exchange  
 chromatography (DOWEX and SP-SEPHADEX) while neighboring portions of

number of clusters per mm<sup>2</sup> in 50 random field. Spearman rank correlation was highly significant (n=71 tissue regions from 6 brains; rs less-than 0.0005) suggesting that significant amounts of NTox are found in Alzheimer brain within brain structures laden with reactive microglia. FIGS. 4A and B sets forth the results of neurotoxin infused directly into rat brain kills neurons in vivo. Nissl stained rat hippocampus (CA3 region) 5 days after stereotaxic injection of neurotoxin. Dead and dying, pyknotic neurons are readily apparent as darkly stained, shrunken profiles in the side injected with a neurotoxin recovered from Alzheimer brain (FIG. 4B; Bar=40 micron), compared to the contralateral hippocampus injected with an identical non-toxic fraction from age matched normal brain (FIG. 4A). The inventor estimates about 100 pmoles of purified neurotoxin were contained in the 1.0  $\mu$ l fluid volume injected into the hippocampus.

FIG. 5 shows the specificity of A beta 1-42 to macrophages is seen by comparison with incubating either macrophages or kidney cells with microspheres coupled to A beta 1-42 for 4 hours at 37 degrees C. in the presence of increasing amounts of A beta 10-16 mixed with the culture media. As shown, competition occurs with the macrophages in a dose dependent manner while no changes in binding are seen for kidney cells. These and similar data indicate a specificity for A beta binding to in microglia, macrophages, and other classes of microglia-like cells.

FIGS. 6A and B shows twenty four hour exposure of <sup>\*\*\*\*human\*\*\*\*</sup> embryonic kidney (HEK) cells to 1 nM of NTox resulted in significant cell death as measured by trypan blue staining but only in those cells expressing heteromeric NMDA receptors. FIG. 6A) Photomicrograph of trypan blue(+) control HEK cells exposed to NTox. Few blue, dead cells are noted. FIG. 6B shows HEK cells expressing NMDA1b/2A were also exposed to NTox for 24 hours. As seen, far larger number of dying cells appear. This NTox killing effect was found in heteromeric expression (R1/R2) and could be blocked by MK-801.

FIGS. 7A, B, and C show SpheresA beta 1-42 in vivo. Weeks after implantation of large microspheres (250 micron diameter) remain embedded within brain neocortex (FIG. 7A). FIG. 7B shows an implanted SphereBSA with very few scavenger receptor(+) microglia abutting the control microsphere. In contrast, SpheresA beta 1-42 chronically stimulate the presence of reactive cells (FIG. 7C). Microglia were visualized by uptake of fluorescent labeled acetylated LDL, DiI-ac-LDL Bar=40  $\mu$ m, FIG. 7A; 25  $\mu$ m FIGS. 7B and C.

FIGS. 8A and B shows scavenger receptor II mRNA in tissue surrounding sphere implants. FIG. 8A reveals that at two weeks after implantation, there is a 5-fold increase in receptor mRNA surrounding the SphereA beta 1-42 when compared to undamaged control tissue or SphereBSA. FIG. 8B, in contrast, reveals that all sites had similar levels of the marker mRNA G3PDH. Data support histological changes.

FIGS. 9A, B, and C shows infusion of A beta 1-42 into the neocortex of adult rat produces an inflammatory response 5 days later at the site of injection as seen by the presence of reactive microglia and macrophages labeled with DiI-ac-LDL (0.5 nmoles injected. FIG. 9B reveals that co-infusion of 0.5 nmoles of A beta 1-42 plus 1.0 nmole of A beta 13-16 blocks the interaction of A beta 1-42 with microglia in vivo and reduces the local brain inflammatory response while co-infusion with 1.0 nmole A beta 1-5 did not alter inflammation (FIG. 9C, Bar= 30 microns).

FIG. 10 shows in vitro screening of drugs which inactivate microglia stimulated by A beta 1-42. Test concentrations of immuno-suppressive drugs (0.1 to 10  $\mu$ M) showed that only chloroquine had a protective effect and prevented appearance of neurotoxic microglia when mixed with A beta peptides. Such in vitro assays permit rapid screening of drugs with therapeutic potential for Alzheimer Disease.

FIG. 11 shows in vitro screening of drugs which inactivate microglia stimulated by A beta 1-42. Test concentrations of signal transduction inhibitors (0.01 to 100  $\mu$ M) showed that only compounds that block the tyrosine kinases (damacanthal and genistein) chloroquine had a protective effect and prevented appearance of neurotoxic microglia when mixed with A beta peptides. Such in vitro assays permit rapid screening of drugs which serve as lead compounds for development of therapeutics for Alzheimer Disease.

FIG. 12 shows a comparison of NTox with other brain-derived compounds which contain a phenolic and terminal amine group. Tyramine appears to significant structural similarity with NTox. Tyramine, however, has no known neurotoxic or neuroprotective properties.

FIG. 13 reveals neuroprotective effects of NTox-like compounds. Test conditions include microglia stimulated with A beta 1-42, isolated NTox applied to neurons directly, or neurons mixed with 100  $\mu$ M of the toxin quinolinic acid (QUIN). As shown, only tyramine prevented neuronal

acid which points to existence of families of molecules which could prevent microglia-mediated neuron injury.

FIGS. 14A-D displays neurotoxic microglia activated by betaamyloid peptide. FIG. 14A shows a fluorescence photomicrograph of neurons immuno-stained with anti-neurofilament and anti-MAP 2 \*\*\*antibodies\*\*\* found in control hippocampal cultures (1,200 cells per mm<sup>2</sup>) that were supplemented with microglia (500 per mm<sup>2</sup>). FIG. 14B shows a culture identical to FIG. 13A exposed to synthetic \*\*\*human\*\*\* A beta 1-42 (1 mu mole/l) for 72 hours resulting in a dramatic loss of neurons (Bar= 20 microns). FIG. 14C shows testing of various A beta peptides in a neurotoxicity assay using rat hippocampal cultures supplemented with microglia resulting in 70-80% killing of neurons after exposure for 72 hours to \*\*\*human\*\*\* A beta 1-40, A beta 1-42, or A beta 1-42 coupled to microspheres (Spheres A beta 1-42) while elimination of microglia from the cultures prevented neuron death. The pattern of neuron killing by synthetic peptides was similar to that elicited by either isolated AD plaques or native A beta purified from plaques. Interestingly, rodent A beta 1-40 (Arg5, Phe10, and Arg13) did not activate microglia. The A beta peptides containing either the \*\*\*N\*\*\* - \*\*\*terminus\*\*\* of the peptide (A beta 1-11, A beta 1-16, and A beta 1-28) or C-terminus (A beta 17-43) alone also were inactive. FIG. 14D shows the capacity of A beta 1-42 (1 mu mole/l) to activate microglia examined after modification of the N-terminal region by chemical or enzymatic methods. Altering residues in the 13 to 16 domain blocked the A beta 1-42 induction of neurotoxic microglia. Cyclohexanedione (CHD)-modification of Arg5; tetranitromethane (TNM)modification of Tyr10; diethylpyrocarbonate (DEPC)modification of His6, His13, His14 with hydroxylamine used to reverse the DEPC effect; transglutaminase (TNG) modification of Gln15; ethyl acetimidate (EAM)-modification of Lys16.

FIGS. 15A-D depicts inhibition of A beta binding to microglia. FIG. 15A shows A beta 1-42 coupled to fluorescent microspheres and the Spheres A beta 1-42 monitored for binding to microglia after 4 hours at 37 degrees C. in the presence of peptides (all at 10 mu moles/l). Only peptides containing residues 13-16 were able to competitively block sphere binding. FIG. 15B shows that enzymatic treatments of microglia altered A beta binding to cells. Spheresmal-BSA (which bind to scavenger receptors) or Spheres A beta 1-42 were incubated with microglia for 4 hours following pre-treatment of cells with trypsin (5000 units/ml at 37 degrees C. for 60 min followed by inactivation with soybean trypsin inhibitor), with heparinase (heparin lyase EC 4.2.2.7; two consecutive treatments each of 0.01 units/ml for 60 min), or with chondroitinase ABC (chondroitin ABC lyase EC 4.3.3.4; two consecutive treatments each of 0.02 units/ml for 60 min). Binding by either Spheres A beta 1-42 or Spheresmal-BSA to microglia were reduced by trypsin. Heparinase, however, only decreased SpheresA beta 1-42 while chondroitinase affected neither A beta or scavenger ligand binding sites. FIG. 15C shows that competition with ligands again suggest the involvement of a heparin sulfate-containing site on microglia with reduction of binding in the presence of heparin sulfate (50 mu g/ml) or A beta 1-16 (10 mu mole/l). In contrast, scavenger receptor binding of Spheresmal-BSA was blocked by known scavenger receptor ligands such as dextran sulfate (500 mu g/ml) or acetylated LDL (ac-LDL, 200 mu g/ml). FIG. 15D shows that plaque induction of neurotoxicity in microglia involves heparin sulfate-containing site. Microglia mixed with hippocampal neurons were treated with combinations of beta-Dxyloside (1 mM), heparinase (0.02 units/ml), or chondroitinase (0.04 units/ml) and then exposed to plaques. Enzyme treatments alone, particularly that of heparinase brought on some reduction in neurotoxic activity; however, a combination of both enzymatic degradation of heparin sulfate plus competitive blockade of glycosylation by beta-D-xyloside completely eliminated plaque activation. FIGS. 16A-C displays neurotoxic microglia blocked by A beta peptides. FIG. 16A shows both A beta 1-42 (1 mu moles/l) in solution and or SpheresA beta 1-42 (250,000 per well) added to hippocampal cultures supplemented with microglia in the presence of various synthetic A beta peptides (all at 10 mu moles/l). Peptides containing residues 13 to 16 prevented A beta induction of neurotoxic microglia. FIG. 16B shows that dose curves show a greater blocking capacity for those peptides containing residues within the 1-16 hydrophilic portion of A beta . Addition of more hydrophobic segments (beyond residue 16) diminish the ability of peptide to block A beta 1-42 interactions with microglia. FIG. 16C sets forth comparisons of various peptides confirm that the HHQK domain of A beta blocks plaque activation of neurotoxic microglia.

FIG. 17 sets forth a table of the effects of \*\*\*beta\*\*\* - \*\*\*Amyloid\*\*\* peptides upon microglia. All peptides which contain the unmodified region encompassing residues 13-16 (shaded) block A beta 1-42 to bind to SpheresA beta 1-42, the ability of A beta 1-42 to induce



microglial neurotoxicity, and the ability of AD plaques to induce microglial neurotoxicity. NA= not applied in this neurotoxicity test, since the free peptide induces microglial toxicity.

FIGS. 18A-G show selective elimination of microglia from mixed hippocampal cultures. Control cultures (FIGS. 18A, 18C, 18E) show complex neuronal networks revealed by MAP-2/neurofilament immunostaining (FIG. 18A), the presence of DiI-ac-LDL(+) microglia (FIG. 18B), and near confluent feeder layer of GFAP(+) astrocytes (FIG. 18C). After treatment of cultures with saporin coupled to acetylated LDL (FIGS. 18B, 18D, 18F), there was an elimination of microglia (FIG. 18D) without effect on survival of either neurons (FIG. 18B) or astroglia (FIG. 18F). Bar= 25  $\mu$ m. FIG. 18G shows counts of specific cell populations with and without Sap-ac-LDL treatment confirm the specific depletion of microglia. Data are expressed as mean values  $\pm$  standard error obtained from 9 randomly selected fields from at least 5 independent cultures viewed at 200 x magnification.

FIGS. 19A-D displays constituents of solubilized native senile plaques elicit neuron killing. FIG. 19A shows neuritic/core or diffuse plaques were isolated from cortical gray matter, solubilized in formic acid, and dialyzed against a betaine buffer. Equal amounts of plaque protein (normalized to total amine content at 400  $\mu$ moles/l) were added to neuronal cultures in the presence (100,000 cells per culture) or absence of rat microglia. As shown, solubilized neuritic/core plaque proteins (Neuritic/Core Plaque) lead to significant killing of neurons, but only in the presence of microglia. Neither solubilized diffuse plaque proteins (Diffuse Plaque) nor the betaine buffer (Buffer Control) elicited neurotoxic activity. FIG. 19B shows size-exclusion chromatography of neuritic/core plaque proteins using two Superose 12 columns in tandem (300 mm x 10 mm x 2; beads 10  $\mu$ m diameter). The chromatogram was developed with 80% glass distilled formic acid at a flow rate of 0.3 ml per minute and monitored at 280 nm. The approximate molecular masses of the fractions were: S1, 200 kDa; S2, 45 kDa; S3, 15 kDa; S4, 10 kDa; and S5, 5 kDa. FIG. 19C shows a histogram in which exposure to peaks S3, S4, and S5 all elicited significant increases in the percent of reactive microglia as defined by morphologic criteria, whereas peaks S1 and S2 do not. FIG. 19D shows fractions of solubilized neuritic/core plaques applied to hippocampal cultures in the presence or absence of microglia. No neuron killing was detected in cultures free of microglia. Neuron loss appeared, however, in microglia containing cultures exposed to peaks S3, S4, and S5, all which contain A  $\beta$ .

FIGS. 20A-E displays soluble fractions of native plaques induce microglial reactivity. Bright field photomicrographs of rat microglia cultures exposed to peak S1 (FIG. 20A) or peak S5 (FIG. 20B) and immuno-stained for the presence of A  $\beta$ . As shown, aggregates of A  $\beta$  are found throughout the cultures incubated with peak S5 (Bar= 25 microns). Phase photomicrographs show cultured microglia as process bearing cells with spinous surfaces typical of non-reactive cells despite exposure to peak S4 (FIG. 20C). In contrast, microglia exposed to peak S5 retract processes and take on a reactive cell morphology similar to that found in AD brain (FIG. 20D; Bar= 5 microns).

FIGS. 21A-D displays toxic actions of synthetic A  $\beta$  peptides upon neurons. FIG. 21A and 21B shows high concentrations of most A  $\beta$  peptides placed in hippocampal cultures containing neurons and astroglia (but depleted of microglia) show little effect. There is, however, a generalized cytotoxic action by A  $\beta$  25-35 at greater-than 30  $\mu$ moles/l on both neurons (FIG. 21A) and astroglia (FIG. 21B). In the absence of microglia, none of the A  $\beta$  peptides (at 1  $\mu$ mole/l) produce destruction of neurons. When rat microglia are added to neuronal cultures, however, only A  $\beta$  1-40 and A  $\beta$  1-42 elicit neuron killing (FIG. 21C). As shown in FIG. 21D, addition of increasing numbers of microglia show a saturated neuron killing response at a density of 150 microglia per mm<sup>2</sup> when incubated with 1  $\mu$ mole/liter A  $\beta$  1-42; microglia found within the E18 culture at the time of plating (endogenous microglia) also showed an efficient killing capacity in the presence of A  $\beta$ . These observations point to the need to deplete neuron cultures of microglia when assessing mechanisms of A  $\beta$  toxicity. Dose response curves reveal A  $\beta$  1-42 to be the most potent microglial stimulus with an estimated ED50 of 10 nmoles/l compared to 80 nmoles/l for A  $\beta$  1-40 (500 microglia per mm<sup>2</sup>; FIG. 21E).

FIGS. 22A-F depicts cellular responses upon exposure to synthetic A  $\beta$  peptides. Phase microscopy shows that cultured rat microglia undergo morphological changes with retraction of processes when exposed to 1  $\mu$ mole/l A  $\beta$  1-42 (FIG. 22E); in contrast, 1  $\mu$ mole/l A  $\beta$  17-43 (FIG. 22C) does not alter microglial morphology which appear identical to untreated cells grown under control conditions (FIG. 22A). Fluorescence microscopy of neuron plus microglia cultures showed robust NF(+) MAP2(+) hippocampal neurons (FIG. 22B) that were depleted after addition of

conditioned media (10% vol/vol) from microglia incubated with 1  $\mu$  mole/l A beta 17-43 (FIG. 22D). Significant neuron loss occurred, however, if hippocampal cultures were exposed to conditioned media from microglia incubated with 1  $\mu$  mole/l A beta 1-42 (FIG. 22F). Bar= 25 microns.

FIGS. 23A-E displays A beta activation of microglia after coupling to microspheres. Fluorescently labeled microspheres were covalently coupled to A beta 1-42 and placed in hippocampal cultures containing rat microglia (500 cells per  $\text{mm}^2$ ). After 72 hours, A beta 1-42-spheres (FIG. 23A) were localized specifically within DiI-ac-LDL(+) microglia (FIG. 23B, co-localization noted by arrows). In contrast, A beta 17-43-microspheres (FIG. 23C) showed no consistent association with microglia (FIG. 23D; Bar= 20 micron). FIG. 23E) Comparison of capacity of A beta in solution or coupled to microspheres (beadbound) to elicit neurotoxic microglia (250,000 microspheres per culture; 100,000 microglia per culture; 72 hour incubation). Neuronal loss was similar if A beta peptides were in solution or bound to beads, indicating that fibril formation, or other changes in tertiary structure, were not necessary to stimulate neurotoxic microglia.

FIGS. 24A-H depicts fluorescent photomicrographs of hippocampal cultures after exposure to A beta 1-42. FIG. 24A shows control cultures show complex networks of NF(+), MAP-2(+) neurons. FIG. 24B shows exposure of cultures to 100  $\mu$  moles/liter A beta 142 in the absence of microglia has no effect on neuron number, while (FIG. 24C) addition of 100 nmoles/liter A beta 1-42 in the presence of rat microglia (500 cells per  $\text{mm}^2$ ) destroyed nearly all neurons. FIGS. 24D-G shows immunostaining for neuron-specific enolase (NSE) is not specific to neurons in CNS cultures as shown by immunofluorescent visualization of glia in cultures of neuron-free optic nerve, including galactocerebroside(+) oligodendroglia (FIG. 24D) and GFAP(+) astrocytes (FIG. 24F) which are both NSE(+) (FIG. 24E and 24G, respectively). Bar= 10  $\mu$  m. In FIG. 24H, ciliary neuron cultures showed that A beta 1-42 is not toxic to neurons in the absence of brain glia (A beta 1-42 only) after 48 hour exposure. Conditioned media from A beta 1-42-stimulated microglia (Microglia+ A beta 1-42) did, however, kill neurons, indicating that astrocytes are not necessary to the microglial neurotoxicity.

FIGS. 25A-E displays \*\*\*human\*\*\* microglia and neuron killing. FIG. 25A shows only A beta-containing fractions from solubilized neuritic/core plaques (peaks S3 (54 nmole/l), S4 (220  $\mu$  mole/l), and S5 (250  $\mu$  mole/l)) elicit \*\*\*human\*\*\* microglia to engage in neurotoxic behaviors. FIG. 25B shows that when tested at 1  $\mu$  mole/liter concentrations, synthetic A beta 1-40 and A beta 142 also stimulated release of neurotoxin from \*\*\*human\*\*\* microglia, while smaller AP fragments had no effect. Despite neuron killing, there is no evidence of increased production of nitrate or nitrite by \*\*\*human\*\*\* cells stimulated with either native (FIG. 25C) or synthetic (FIG. 25D) AD. FIG. 25E shows that neuron killing could be induced by \*\*\*human\*\*\* or rat microglia exposed to 1  $\mu$  mole/liter of the \*\*\*human\*\*\* forms of either A beta 1-42 or A beta 1-40. The rodent form of A beta 1-40, however, was inactive, as were fragments of \*\*\*human\*\*\* A beta, including 128, 12-28, and 17-43.

FIGS. 26A-C displays drug blockade of A beta induced neuron killing by rat and \*\*\*human\*\*\* microglia. To investigate mechanisms of cell killing, rat microglia were stimulated with 1  $\mu$  mole/l A beta 1-42 (Rat/A beta 1-42) and \*\*\*human\*\*\* cells with fraction S5 (containing 250  $\mu$  mole/l of native A beta 1-42) from solubilized neuritic/core plaques (\*\*\*Human\*\*\* /S5 Peak). FIG. 26A shows agents that act as free radical scavengers (vitamin E, 100  $\mu$  M; catalase, 25 units/ml; glutathione, 100  $\mu$  M) did not block microglial killing of neurons. No protective effects were observed with the nitric oxide synthetase inhibitors L-N-5-(1imin-oethyl)ornithine hydrochloride (L-NIO, 10  $\mu$  M) or diphenyl iodanium (DPI, 300 nM), although the NMDA antagonist AP5 prevented neuron death. FIG. 26B shows other NMDA antagonists acting at the receptor site (A beta 7), at the polyamine regulatory site (ifenprodil), or at the ion channel (MK801) all blocked neuron death, while the non-NMDA glutamate antagonists (GAMS, BNQX) did not. All drugs were applied at 10  $\mu$  M. FIG. 26C shows isolation of neurotoxin from culture media conditioned by A beta-stimulated rat microglia (A beta 1-42/ Microglia) or from frozen AD gray matter (AD Brain) involved extractions in ethyl acetate (pH 10.5), acid hydrolysis, and sequential gradient RP-HPLC (C18 column using a 0 to 20% acetonitrile gradient in  $\text{dH}_2\text{O}$  with 0.1% trifluoroacetic acid). Neurotoxin activities from microglial conditioned media copurifies with that from AD brain tissue with a co-elution using RP-HPLC at about 14% acetonitrile. Neurotoxicity was not found within control brain extracts or from unstimulated microglial culture media.

FIG. 27 depicts A beta domains and interactions with microglia. FIG. 10A

Sepharose bead coupled to \*\*\*human\*\*\* A beta 1-42 peptides. FIG. 27B shows a fluorescence photomicrograph of the same bead showing adherent cell labeled by the fluorescent microglial marker DiI-ac-LDL; Bar= 20 microns. FIG. 27C shows rat microglial adherence to Sepharose-coupled beads after six hours. Plaque proteins derived from neuritic/core plaques provided an anchoring site for microglia, as did A beta 1-42.

Importantly, A beta 1-28 also promoted bead binding, while A beta 17-43 did not. Controls included beads coupled to glycine (Control glycine) and to bovine serum albumin (Control-BSA). Data shown are expressed as the numbers of adhering cells per 100 randomly selected beads +/-standard error after 6 hour incubation at 37 degrees C.

FIGS. 28A-G displays that the A beta cell binding domain is required for activation of neurotoxic microglia. Fluorescent photomicrographs showing microsphere binding to enriched cultures of rat microglia (500/mm2) after 4 hour incubation at 37 degrees C. Coupling of A beta peptides to fluorescent microspheres showed that A beta 1-42 (FIG. 28A), A beta 12-28 (FIG. 28D), and A beta 10-16 (FIG. 28E) readily bind, while peptides A beta 17-43 (FIG. 28B), A beta 1-11 (FIG. 28C), and A beta 1-5 (FIG. 28F) did not. Quantitations of binding pattern (FIG. 28G) indicated that regions of the \*\*\*N\*\*\* - \*\*\*terminus\*\*\* -containing amino acid residues 10-16 were necessary for A beta binding to microglia. Data are expressed as mean values +/-standard error when viewed at 200 x magnification.

FIG. 29 displays the comparison of A beta effects upon microglia. FIG. 29A shows dose response curves in which although A beta 10-16 is able to bind to microglia, it did not elicit neurotoxic microglia. The addition of this microglial binding domain to A beta 17-42 (which neither binds to microglia nor elicits toxicity) created a peptide, A beta 10-42, which both bound to microglia and stimulated microglia to kill neurons. FIG. 29B shows a diagram comparing the structures and functions of synthetic peptides. The shaded area illustrates the Nterminal portion of A beta that differs between \*\*\*human\*\*\* and rat forms and which appears necessary for microglial adherence. !

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 DT Utility; Patent Application - First Publication  
 FS CHEMICAL APPLICATION

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FIG. 1 displays the chemical structure of NTox, a neurotoxin released by microglia and macrophages after exposure to senile plaques in vitro or in vivo. Chemical and enzymatic modifications of the isolated toxin have identified within NTox a phenolic hydroxyl group sensitive to tyrosinase, a ring structure sensitive to reduction by rhodium, and a terminal amine sensitive to fluorecamine (fluram) or plasma amine oxidase (PAO).

FIGS. 2A and B display steps in the isolation of NTox from frozen Alzheimer brain gray matter that involved extractions into ethyl acetate, acid hydrolysis and sequential gradient reverse phase high performance liquid chromatography (RP-HPLC). FIG. 2A shows the final step of purification by RP-HPLC, using a C18 column and an acetonitrile gradient, shows a peak with elution at about 14% acetonitrile. Importantly, this peak is found in Alzheimer but not in control brain and corresponds to activity which is highly toxic to ciliary neurons. FIG. 2B displays the degree of purification of neurotoxin from Alzheimer brain tissue. Dose response curves show that the ED50=10 mu M in the ultrafiltrate compared with 100 pM for highly purified toxin following acid hydrolysis and C18 RP-HPLC. From such preparations, estimations of greater-than 100,000 fold purification of toxin from \*\*\*human\*\*\* brain. The phenolic content is estimated by UVmax at 265 nm with a similar result obtained when values are normalized to amine content measured by fluorecamine.

FIG. 3 shows the correlation between microglial clusters found in Alzheimer brain and levels of extracted neurotoxins. NTox was isolated from tissue blocks by aqueous extraction and 2step ion exchange chromatography (DOWEX and SP-SEPHADEX) while neighboring portions of adjacent tissue stained for HIA-DR(+) microglial clusters (scored as mean

number of clusters per mm<sup>2</sup> in 50 random field. Spearman rank correlation was highly significant (n=71 tissue regions from 6 brains; rs less-than 0.0005) suggesting that significant amounts of NTox are found in Alzheimer brain within brain structures laden with reactive microglia. FIGS. 4A and 4B sets forth the results of neurotoxin infused directly into rat brain kills neurons in vivo. Nissl stained rat hippocampus (CA3 region) 5 days after stereotaxic injection of neurotoxin. Dead and dying, pyknotic neurons are readily apparent as darkly stained, shrunken profiles in the side injected with a neurotoxin recovered from Alzheimer brain (FIG. 4B; Bar=40 micron), compared to the contralateral hippocampus injected with an identical non-toxic fraction from age matched normal brain (FIG. 4A). The inventor estimates about 100 pmoles of purified neurotoxin were contained in the 1.0  $\mu$ l fluid volume injected into the hippocampus.

FIG. 5 shows the specificity of A beta 1-42 to macrophages is seen by comparison with incubating either macrophages or kidney cells with microspheres coupled to A beta 1-42 for 4 hours at 37 degrees C. in the presence of increasing amounts of A beta 10-16 mixed with the culture media. As shown, competition occurs with the macrophages in a dose dependent manner while no changes in binding are seen for kidney cells. These and similar data indicate a specificity for A beta binding to in microglia, macrophages, and other classes of microglia-like cells.

FIGS. 6A and B shows twenty four hour exposure of \*\*\*\*human\*\*\* embryonic kidney (HEK) cells to 1 nM of NTox resulted in significant cell death as measured by trypan blue staining but only in those cells expressing heteromeric NMDA receptors. FIG. 6A) Photomicrograph of trypan blue(+) control HEK cells exposed to NTox. Few blue, dead cells are noted. FIG. 6B shows HEK cells expressing NMDA1b/2A were also exposed to NTox for 24 hours. As seen, far larger number of dying cells appear. This NTox killing effect was found in heteromeric expression (R1/R2) and could be blocked by MK-801.

FIGS. 7A, B, and C show spheres A beta 1-42 in vivo. Weeks after implantation of large microspheres (250 micron diameter) remain embedded within brain neocortex (FIG. 7A). FIG. 7B shows an implanted SphereBSA with very few scavenger receptor(+) microglia abutting the control microsphere. In contrast, Spheres A beta 1-42 chronically stimulate the presence of reactive cells (FIG. 7C). Microglia were visualized by uptake of fluorescent labeled acetylated LDL, Dil-ac-LDL Bar=40  $\mu$ m, FIG. 7A; 25  $\mu$ m FIGS. 7B and C.

FIGS. 8A and B shows scavenger receptor II mRNA in tissue surrounding sphere implants. FIG. 8A reveals that at two weeks after implantation, there is a 5-fold increase in receptor mRNA surrounding the Sphere A beta 1-42 when compared to undamaged control tissue or SphereBSA. FIG. 8B, in contrast, reveals that all sites had similar levels of the marker mRNA G3PDH. Data support histological changes.

FIGS. 9A, B, and C shows infusion of A beta 1-42 into the neocortex of adult rat produces an inflammatory response 5 days later at the site of injection as seen by the presence of reactive microglia and macrophages labeled with Dil-ac-LDL (0.5 nmoles injected. FIG. 9B reveals that co-infusion of 0.5 nmoles of A beta 1-42 plus 1.0 nmole of A beta 13-16 blocks the interaction of A beta 1-42 with microglia in vivo and reduces the local brain inflammatory response while co-infusion with 1.0 nmole A beta 1-5 did not alter inflammation (FIG. 9C, Bar=30 microns).

FIG. 10 shows in vitro screening of drugs which inactivate microglia stimulated by A beta 1-42. Test concentrations of immuno-suppressive drugs (0.1 to 10  $\mu$ M) showed that only chloroquine had a protective effect and prevented appearance of neurotoxic microglia when mixed with A beta peptides. Such in vitro assays permit rapid screening of drugs with therapeutic potential for Alzheimer Disease.

FIG. 11 shows in vitro screening of drugs which inactivate microglia stimulated by A beta 1-42. Test concentrations of signal transduction inhibitors (0.01 to 100  $\mu$ M) showed that only compounds that block the tyrosine kinases (damacanthal and genistein) chloroquine had a protective effect and prevented appearance of neurotoxic microglia when mixed with A beta peptides. Such in vitro assays permit rapid screening of drugs which serve as lead compounds for development of therapeutics for Alzheimer Disease.

FIG. 12 shows a comparison of NTox with other brain-derived compounds which contain a phenolic and terminal amine group. Tyramine appears to significant structural similarity with NTox. Tyramine, however, has no known neurotoxic or neuroprotective properties.

FIG. 13 reveals neuroprotective effects of NTox-like compounds. Test conditions include microglia stimulated with A beta 1-42, isolated NTox applied to neurons directly, or neurons mixed with 100  $\mu$ M of the toxin quinolinic acid (QUIN). As shown, only tyramine prevented neuronal

acid which points to existence of families of molecules which could prevent microglia-mediated neuron injury.

FIGS. 14A-D displays neurotoxic microglia activated by betaamyloid peptide. FIG. 14A shows a fluorescence photomicrograph of neurons immuno-stained with anti-neurofilament and anti-MA beta 2

\*\*\*antibodies\*\*\* found in control hippocampal cultures (1,200 cells per mm<sup>2</sup>) that were supplemented with microglia (500 per mm<sup>2</sup>). FIG. 14B shows a culture identical to FIG. 13A exposed to synthetic \*\*\*human\*\*\* A beta 1-42 (1 mu mole/l) for 72 hours resulting in a dramatic loss of neurons (Bar=20 microns). FIG. 14C shows testing of various A beta peptides in a neurotoxicity assay using rat hippocampal cultures supplemented with microglia resulting in 70-80% killing of neurons after exposure for 72 hours to \*\*\*human\*\*\* A beta 1-40, A beta 1-42, or A beta 1-42 coupled to microspheres (Spheres A beta 1-42) while elimination of microglia from the cultures prevented neuron death. The pattern of neuron killing by synthetic peptides was similar to that elicited by either isolated AD plaques or native A beta purified from plaques. Interestingly, rodent A beta 1-40 (Arg5, Phe10, and Arg13) did not activate microglia. The A beta peptides containing either the \*\*\*N\*\*\* - \*\*\*terminus\*\*\* of the peptide (A beta 1-11, A beta 1-16, and A beta 1-28) or C-terminus (A beta 17-43) alone also were inactive. FIG. 14D shows the capacity of A beta 1-42 (1 mu mole/l) to activate microglia examined after modification of the N-terminal region by chemical or enzymatic methods. Altering residues in the 13 to 16 domain blocked the A beta 1-42 induction of neurotoxic microglia. Cyclohexanedione (CHD)-modification of Arg5; tetranitromethane (TNM)modification of Tyr10; diethylpyrocarbonate (DEPC)-modification of His6, His13, His14 with hydroxylamine used to reverse the DEPC effect; transglutaminase (TNG) modification of Gln15; ethyl acetimidate (EAM)-modification of Lys16.

FIGS. 15A-D depicts inhibition of A beta binding to microglia. FIG. 15A shows A beta 1-42 coupled to fluorescent microspheres and the Spheres A beta 1-42 monitored for binding to microglia after 4 hours at 37 degrees C. in the presence of peptides (all at 10 mu moles/l). Only peptides containing residues 13-16 were able to competitively block sphere binding. FIG. 15B shows that enzymatic treatments of microglia altered A beta binding to cells. Spheresmal-BSA (which bind to scavenger receptors) or SpheresA beta 1-42 were incubated with microglia for 4 hours following pre-treatment of cells with trypsin (5000 units/ml at 37 degrees C. for 60 min followed by inactivation with soybean trypsin inhibitor), with heparinase (heparin lyase EC 4.2.2.7; two consecutive treatments each of 0.01 units/ml for 60 min), or with chondroitinase ABC (chondroitin ABC lyase EC 4.3.3.4; two consecutive treatments each of 0.02 units/ml for 60 min). Binding by either SpheresA beta 1-42 or Spheresmal-BSA to microglia were reduced by trypsin. Heparinase, however, only decreased SpheresA beta 1-42 while chondroitinase affected neither A beta or scavenger ligand binding sites. FIG. 15C shows that competition with ligands again suggest the involvement of a heparin sulfate-containing site on microglia with reduction of binding in the presence of heparin sulfate (50 mu g/ml) or A beta 1-16 (10 mu mole/l). In contrast, scavenger receptor binding of Spheresmal-BSA was blocked by known scavenger receptor ligands such as dextran sulfate (500 mu g/ml) or acetylated LDL (ac-LDL, 200 mu g/ml). FIG. 15D shows that plaque induction of neurotoxicity in microglia involves heparin sulfate-containing site. Microglia mixed with hippocampal neurons were treated with combinations of beta-Dxyloside (1 mm), heparinase (0.02 units/ml), or chondroitinase (0.04 units/ml) and then exposed to plaques. Enzyme treatments alone, particularly that of heparinase brought on some reduction in neurotoxic activity; however, a combination of both enzymatic degradation of heparin sulfate plus competitive blockade of glycosylation by beta-D-xyloside completely eliminated plaque activation.

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FIGS. 20A-E displays soluble fractions of native plaques induce microglial reactivity. Bright field photomicrographs of rat microglia cultures exposed to peak S1 (FIG. 20A) or peak S5 (FIG. 20B) and immuno-stained for the presence of A  $\beta$ . As shown, aggregates of A  $\beta$  are found throughout the cultures incubated with peak S5 (Bar =25 microns). Phase photomicrographs show cultured microglia as process bearing cells with spinous surfaces typical of non-reactive cells despite exposure to peak S4 (FIG. 20C). In contrast, microglia exposed to peak S5 retract processes and take on a reactive cell morphology similar to that found in AD brain (FIG. 20D; Bar=5 microns).

FIGS. 21A-D displays toxic actions of synthetic A  $\beta$  peptides upon neurons. FIG. 21A and 21B shows high concentrations of most A  $\beta$  peptides placed in hippocampal cultures containing neurons and astroglia (but depleted of microglia) show little effect. There is, however, a generalized cytotoxic action by A  $\beta$  25-35 at greater-than 30  $\mu$ moles/l on both neurons (FIG. 21A) and astroglia (FIG. 21B). In the absence of microglia, none of the A  $\beta$  peptides (at 1  $\mu$ mole/l) produce destruction of neurons. When rat microglia are added to neuronal cultures, however, only A  $\beta$  1-40 and A  $\beta$  1-42 elicit neuron killing (FIG. 21C). As shown in FIG. 21D, addition of increasing numbers of microglia show a saturated neuron killing response at a density of 150 microglia per mm<sup>2</sup> when incubated with 1  $\mu$ mole/liter A  $\beta$  1-42; microglia found within the E18 culture at the time of plating (endogenous microglia) also showed an efficient killing capacity in the presence of A  $\beta$ . These observations point to the need to deplete neuron cultures of microglia when assessing mechanisms of A  $\beta$  toxicity. Dose response curves reveal A  $\beta$  1-42 to be the most potent microglial stimulus with an estimated ED<sub>50</sub> of 10 nmoles/l compared to 80 nmoles/l for A  $\beta$  1-40 (500 microglia per mm<sup>2</sup>; FIG. 21E).

FIGS. 22A-F depicts cellular responses upon exposure to synthetic A  $\beta$  peptides. Phase microscopy shows that cultured rat microglia undergo morphological changes with retraction of processes when exposed to 1  $\mu$ mole/l A  $\beta$  1-42 (FIG. 22E); in contrast, 1  $\mu$ mole/l A  $\beta$  17-43 (FIG. 22C) does not alter microglial morphology which appear identical to untreated cells grown under control conditions (FIG. 22A). Fluorescence microscopy of neuron plus microglia cultures showed robust NF(+) MAP2(+)

conditioned media (10% vol/vol) from microglia incubated with 1  $\mu$  mole/l A beta 17-43 (FIG. 22D). Significant neuron loss occurred, however, if hippocampal cultures were exposed to conditioned media from microglia incubated with 1  $\mu$  mole/l A beta 1-42 (FIG. 22F). Bar = 25 microns.

FIGS. 23A-E displays A beta activation of microglia after coupling to microspheres. Fluorescently labeled microspheres were covalently coupled to A beta 1-42 and placed in hippocampal cultures containing rat microglia (500 cells per mm<sup>2</sup>). After 72 hours, A beta 1-42-spheres (FIG. 23A) were localized specifically within DiI-ac-LDL(+) microglia (FIG. 23B, co-localization noted by arrows). In contrast, A beta 17-43-microspheres (FIG. 23C) showed no consistent association with microglia (FIG. 23D; Bar=20 micron). FIG. 23E) Comparison of capacity of A beta in solution or coupled to microspheres (beadbound) to elicit neurotoxic microglia (250,000 microspheres per culture; 100,000 microglia per culture; 72 hour incubation). Neuronal loss was similar if A beta peptides were in solution or bound to beads, indicating that fibril formation, or other changes in tertiary structure, were not necessary to stimulate neurotoxic microglia.

FIGS. 24A-H depicts fluorescent photomicrographs of hippocampal cultures after exposure to A beta 1-42. FIG. 24A shows control cultures show complex networks of NF(+), MAP-2(+) neurons. FIG. 24B shows exposure of cultures to 100  $\mu$  moles/liter A beta 142 in the absence of microglia has no effect on neuron number, while (FIG. 24C) addition of 100 nmoles/liter A beta 1-42 in the presence of rat microglia (500 cells per mm<sup>2</sup>) destroyed nearly all neurons. FIGS. 24D-G shows immunostaining for neuron-specific enolase (NSE) is not specific to neurons in CNS cultures as shown by immunofluorescent visualization of glia in cultures of neuron-free optic nerve, including galactocerebroside(+) oligodendroglia (FIG. 24D) and GFAP(+) astrocytes (FIG. 24F) which are both NSE(+) (FIGS. 24E and 24G, respectively). Bar=10  $\mu$  m. In FIG. 24H, ciliary neuron cultures showed that A beta 1-42 is not toxic to neurons in the absence of brain glia (A beta 1-42 only) after 48 hour exposure. Conditioned media from A beta 1-42-stimulated microglia (Microglia+A beta 1-42) did, however, kill neurons, indicating that astrocytes are not necessary to the microglial neurotoxicity.

FIGS. 25A-E displays **\*\*\*human\*\*\*** microglia and neuron killing. FIG. 25A shows only A beta-containing fractions from solubilized neuritic/core plaques (peaks S3 (54 nmole/l), S4 (220 nmole/l), and S5 (250 nmole/l)) elicit **\*\*\*human\*\*\*** microglia to engage in neurotoxic behaviors. FIG. 25B shows that when tested at 1  $\mu$  mole/liter concentrations, synthetic A beta 1-40 and A beta 142 also stimulated release of neurotoxin from **\*\*\*human\*\*\*** microglia, while smaller A beta fragments had no effect. Despite neuron killing, there is no evidence of increased production of nitrate or nitrite by **\*\*\*human\*\*\*** cells stimulated with either native (FIG. 25C) or synthetic (FIG. 25D) AD. FIG. 25E shows that neuron killing could be induced by **\*\*\*human\*\*\*** or rat microglia exposed to 1  $\mu$  mole/liter of the **\*\*\*human\*\*\*** forms of either A beta 1-42 or A beta 1-40. The rodent form of A beta 1-40, however, was inactive, as were fragments of **\*\*\*human\*\*\*** A beta, including 128, 12-28, and 17-43.

FIGS. 26A-C displays drug blockade of A beta induced neuron killing by rat and **\*\*\*human\*\*\*** microglia. To investigate mechanisms of cell killing, rat microglia were stimulated with 1  $\mu$  mole/l A beta 1-42 (Rat/A beta 1-42) and **\*\*\*human\*\*\*** cells with fraction S5 (containing 250 nmole/l of native A beta 1-42) from solubilized neuritic/core plaques (**\*\*\*Human\*\*\*** /S5 Peak). FIG. 26A shows agents that act as free radical scavengers (vitamin E, 100  $\mu$  M; catalase, 25 units/ml; glutathione, 100  $\mu$  M) did not block microglial killing of neurons. No protective effects were observed with the nitric oxide synthetase inhibitors L-N-5-(1-imino-oethyl)ornithine hydrochloride (L-NIO, 10  $\mu$  M) or diphenyl iodonium (DPI, 300 nM), although the NMDA antagonist AP5 prevented neuron death. FIG. 26B shows other NMDA antagonists acting at the receptor site (AP7), at the polyamine regulatory site (ifenprodil), or at the ion channel (MK801) all blocked neuron death, while the non-NMDA glutamate antagonists (GAMS, BNQX) did not. All drugs were applied at 10  $\mu$  M. FIG. 26C shows isolation of neurotoxin from culture media conditioned by A beta-stimulated rat microglia (A beta 1-42/ Microglia) or from frozen AD gray matter (AD Brain) involved extractions in ethyl acetate (pH 10.5), acid hydrolysis, and sequential gradient RP-HPLC (C18 column using a 0 to 20% acetonitrile gradient in dH<sub>2</sub>O with 0.1% trifluoroacetic acid). Neurotoxin activities from microglial conditioned media copurifies with that from AD brain tissue with a co-elution using RP-HPLC at about 14% acetonitrile. Neurotoxicity was not found within control brain extracts or from unstimulated microglial culture media.

FIG. 27 depicts A beta domains and interactions with microglia. FIG. 10A shows a phase photomicrograph of rat microglial cell adhering to Sepharose bead coupled to **\*\*\*human\*\*\*** A beta 1-42 peptides. FIG. 27B



shows a fluorescence photomicrograph of the same bead showing adherent cell labeled by the fluorescent microglial marker Dil-ac-LDL; Bar=20 microns. FIG. 27C shows rat microglial adherence to Sepharose-coupled beads after six hours. Plaque proteins derived from neuritic/core plaques provided an anchoring site for microglia, as did A beta 1-42. Importantly, A beta 1-28 also promoted bead binding, while A beta 17-43 did not. Controls included beads coupled to glycine (Control glycine) and to bovine serum albumin (Control-BSA). Data shown are expressed as the numbers of adhering cells per 100 randomly selected beads +/-standard error after 6 hour incubation at 37 degrees C.

FIGS. 28A-G displays that the A beta cell binding domain is required for activation of neurotoxic microglia. Fluorescent photomicrographs showing microsphere binding to enriched cultures of rat microglia (500/mm<sup>2</sup>) after 4 hour incubation at 37 C. Coupling of A beta peptides to fluorescent microspheres showed that A beta 1-42 (FIG. 28A), A beta 12-28 (FIG. 28D), and A beta 10-16 (FIG. 28E) readily bind, while peptides A beta 17-43 (FIG. 28B), A beta 1-11 (FIG. 28C), and A beta 1-5 (FIG. 28F) did not. Quantitations of binding pattern (FIG. 28G) indicated that regions of the ~~\*\*\*\*N\*\*\*\*~~ - ~~\*\*\*\*terminus\*\*\*\*~~ -containing amino acid residues 10-16 were necessary for A beta binding to microglia. Data are expressed as mean values +/-standard error when viewed at 200 x magnification.

FIG. 29 displays the comparison of A beta effects upon microglia. FIG. 29A shows dose response curves in which although A beta 10-16 is able to bind to microglia, it did not elicit neurotoxic microglia. The addition of this microglial binding domain to A beta 17-42 (which neither binds to microglia nor elicits toxicity) created a peptide, A beta 10-42, which both bound to microglia and stimulated microglia to kill neurons. FIG. 29B shows a diagram comparing the structures and functions of synthetic peptides. The shaded area illustrates the Nterminal portion of A beta that differs between ~~\*\*\*\*human\*\*\*\*~~ and rat forms and which appears necessary for microglial adherence. !

L4 ANSWER 41 OF 391 IFIPAT COPYRIGHT 2003 IFI on STN  
AN 3902755 IFIPAT;IFIUDB;IFICDB  
TI TRANSGENIC RODENTS HARBORING APP ALLELE HAVING SWEDISH MUTATION  
IN McLonlogue Lisa; Sinha Sukanto; Zhao Jun  
PA Elan Pharmaceuticals Inc  
Lilly, Eli and Co  
(49246, 49800)

PI	US 6586656	20030701		
AI	US 2001-838556	20010418		
RLI	US 1993-148211	19931101	CONTINUATION	5612486
	US 1997-785943	19970122	CONTINUATION	5850003
	US 1998-209647	19981210	CONTINUATION	6245964
	US 1993-143697	19931027	CONTINUATION-IN-PART	5604102
FI	US 6586656	20030701		
	US 5612486			
	US 5850003			
	US 6245964			
	US 5604102			

DT Utility  
FS CHEMICAL  
GRANTED

CLMN 10

GI 5 Drawing Sheet(s), 6 Figure(s).

FIGS. 1(A-B), panels A and B are plasmid maps of pNSEAPPsw Delta 3' and pNSEAPPsw, respectively, which are used to produce transgenic mice as described herein.

FIG. 2 is a Western blot of soluble fractions of transgenic and control animal brains probed for the presence of secreted beta APP fragments reactive with the Swedish 192 ~~\*\*\*\*antibody\*\*\*\*~~. Lane 1: molecular weight markers; lane 2: non-transgenic line; lane 3: transgenic line.

FIGS. 3(A-B), panels A and B are Western blots of brain homogenates from transgenic (+) and non-transgenic (-) animals depleted of 6C6

~~\*\*\*\*antibody\*\*\*\*~~ -reactive beta APP forms probed with ~~\*\*\*\*antibody\*\*\*\*~~ 8E5 (panel A) and Swedish 192 ~~\*\*\*\*antibody\*\*\*\*~~ (panel B).

FIG. 4 shows an immunoblot demonstrating specificity of the Swedish 192 ~~\*\*\*\*antibody\*\*\*\*~~. Lanes 1, 3, 5 contain material eluted from heparin agarose. Lanes 2, 4, 6 contain material eluted from the 6C6 resin. Lanes 1 and 2 were probed with ~~\*\*\*\*antibody\*\*\*\*~~ 8E5; Lanes 3 and 4 were probed with the Swedish 192 ~~\*\*\*\*antibody\*\*\*\*~~; Lanes 5 and 6 were probed with ~~\*\*\*\*antibody\*\*\*\*~~ 6C6.

L4 ANSWER 42 OF 391 IFIPAT COPYRIGHT 2003 IFI on STN  
AN 3827176 IFIPAT;IFIUDB;IFICDB



IN PRODUCTION MODULATORS  
 PA Mitchell Thomas J; Seiffert Dietmar A  
 PI Bristol-Myers Squibb Co (22921)  
 AI US 6518011 20030211  
 PRAI US 2000-481980 20000112  
 FI US 1999-115749P 19990113 (Provisional)  
 DT US 6518011 20030211  
 FS Utility  
 CLMN CHEMICAL  
 7 GRANTED  
 GI 8 Drawing Sheet(s), 12 Figure(s).

FIG. 1 Shows a possible location of an epitope tag in the A-beta sequence of the beta-APP and predicted accumulation of epitope tagged cleavage fragments. The A-beta fragment (1-42), with the proposed proteolytic cleavage sites for secretases (alpha-, beta-, gamma 1 (40)-, and gamma 2 (42)), is indicated. The epitope tag in this example is centered on the alpha secretase site (amino acids 16 to 17 in A-beta). Cleavage by beta and gamma secretases is expected to lead to an accumulation of epitope tagged A-beta (1-40) and A-beta (1-42) in the conditioned medium, whereas cleavage by alpha secretase (within the epitope tag) is expected to destroy or reduce the accumulation of epitope tagged A-beta fragments in the conditioned medium.

FIG. 2 Shows an immunoblot analysis of HEK 293 ( \*\*\*human\*\*\* embryonic kidney cell line, ATTC #CRL-1573) cell lysates after transfection with epitope-tagged beta-APP. Cell lysates were prepared by lysis of HEK 293 cells into SDS and were fractionated by SDS-PAGE, followed by transfer to nitrocellulose membranes. The membranes were developed with mAB 22C11 (epitope in the \*\*\*N\*\*\* - \*\*\*terminus\*\*\* of full-length beta-APP; lanes 1 and 2), mAB anti-HA 11 (influenza hemagglutinin epitope: YPYDVPDYA) (SEQ ID NO: 6) (directed to the HA 11 epitope tag; lanes 3 and 4), and mAB 9E10 (directed to the myc epitope tag; lanes 5 and 6). Lane 1, HEK 293 cells transfected with HA 11 beta-APP 695; lane 2, HEK 293 cells transfected with vector alone ('Mock-transfection'); lane 3, HEK 293 cells transfected with HA 11 beta-APP 695; lane 4, HEK 293 cells transfected with vector alone; lane 5, HEK 293 cells transfected with myc betaAPP 695; lane 6, HEK 293 cells transfected with vector alone. The relative mobility of molecular weight standards is indicated to the left.

FIG. 3 Shows an accumulation of beta-APP fragments into HEK 293 conditioned medium. The 24 hour serum-free conditioned medium (lanes 1 and 2) or cell lysates (lanes 3 and 4) of HEK 293 cells transfected with vector alone (lanes 1 and 3) or HA 11 beta-APP 695 (lanes 2 and 4) were harvested. The resulting polypeptides were fractionated by SDS-PAGE (10% acrylamide in separating gel) and transferred to nitrocellulose membranes. Panel A was developed with mAB anti-HA 11, whereas panel B was developed with mAB 22C11. The relative mobility of molecular weight standards is indicated to the right.

FIG. 4 Shows the detection of epitope-tagged beta-APP fragments in HEK 293 conditioned medium after transfection with HA 11 beta-APP 695.

Panel A: Microtiter wells were coated with mAB anti-HA 11 and after blocking, incubated with a dose-response of a synthetic HA 11 A-beta (1-40) peptide containing the HA 11 epitope centered on the alpha secretase cleavage site. Bound A-beta HA 11 was detected with polyclonal \*\*\*antibodies\*\*\* specific for position 1 (Serotec) or position 40 (QCB), followed by HRP-labeled anti-rabbit IgG and TMB substrate. The change of absorbance at 650 nm was monitored and results are corrected for binding of secondary \*\*\*antibodies\*\*\* to wells not incubated with the A-beta HA 11 peptide. Results are expressed as change of absorbance per minute (MOD/minute).

Panel B: Microtiter wells were coated as in panel A and incubated with the indicated dilutions of HEK 293/HA 11 betaAPP 695 conditioned medium (24 hours). Bound HA 11 beta-APP 695 fragments were detected with \*\*\*antibodies\*\*\* specific for position 1 and 40 as in panel A. Results are expressed and corrected as in panel A.

FIG. 5 Shows a time-course of the accumulation of HA 11 A-beta (1-40) and A-beta (1-42) in HEK 293/HA 11 beta-APP 695 conditioned medium. HEK 293/HA 11 beta-APP 695 was cultured in serum-free medium containing 0.2% bovine serum albumin in 96well microtiter plates for the indicated time intervals. The accumulation of HA 11 A-beta (1-40) and A-beta (1-42) was determined. For HA 11 A-beta polypeptides ending at position 40, microtiter wells were coated with mAB anti-HA 11 and bound polypeptides were detected with rabbit anti-A-beta 40 (QCB), followed by HRP-labeled anti-rabbit IgG. For the position 42specific ELISA, microtiter wells were coated with mAB anti-HA 11, and bound polypeptides were detected with biotin-labeled mAB 108 (position 42-specific), followed by streptavidin HRP conjugate. Results are corrected for a binding of

secondary \*\*\*antibodies\*\*\* in the absence of conditioned medium and expressed as change of absorbance at 650 nm per minute (MOD/minute).

FIG. 6 Shows the effect of MDL 28170 and Brefeldin A on the accumulation of HA 11 A-beta (1-40) in HEK 293/HA 11 beta-APP 695 conditioned medium. HEK 293/HA 11 beta-APP 695 cells were plated at confluence in 96-well plates and the indicated doseresponse of either MDL 28170 (panel A), or Brefeldin A (panel B) was added for 16 hours. The accumulation of HA 11 A-beta (1-40) (position 40-specific \*\*\*antibody\*\*\*; QCB) was determined as in FIG. 5. Results are expressed as percentage inhibition of HA 11 Abeta (1-40) accumulation in comparison to wells incubated with vehicle (dimethyl sulfoxide, DMSO) alone.

FIG. 7 Shows an isolation of HA 11 A-beta from HEK 293/HA 11 beta-APP 695 cells. Conditioned medium (serum-free containing 0.2% BSA) was passed over an mAB anti-HA 11 affinity matrix. After washing, the column was eluted with 5% formic acid in water. The peak fractions were pooled, dried in a Speed-Vac, resuspended in water and the pH was adjusted to 7.4 with Tris.

Panel A: The starting material, flow-through, and the pooled elution fractions (after dilution to account for the concentration of the HA 11 A-beta on the column) were analyzed by ELISA specific for position 40 in HA 11 A-beta as in FIGS. 4 and 5.

Panel B: The indicated dilutions of the pooled elution fractions were analyzed by ELISA specific for position 1, 40, and 42 in HA 11 A-beta. Note that approximately equal immunoreactivity is present for the position 1 and 40 \*\*\*antibodies\*\*\*, whereas the 42specific reactivity is lost with 10-fold lesser dilution.

Panel C: The elution fractions were analyzed by SDS-PAGE (16.5% polyacrylamide in separating gel), followed by immunoblotting with mAB anti-HA 11, followed by HRP-labeled anti-mouse Ig, and chemiluminescence detection (ECL tm, Amersham). Lane 1, elution fraction, stained with mAB anti-HA 11; lane 2, elution fraction spiked with HA 11 A-beta peptide (50 ng); lane 3, purified A-beta HA 11 1-40 peptide; and lane 4, elution fraction, stained under omission of anti-HA 11.

L4 ANSWER 43 OF 391 JICST-EPlus COPYRIGHT 2003 JST on STN  
AN 930792511 JICST-EPlus  
TI Ca2+-Dependent 68 kDa Protease in Familial Alzheimer's Disease Cells  
Cleaves the \*\*\*N\*\*\* - \*\*\*terminus\*\*\* of . \*\*\*BETA\*\*\* .-  
\*\*\*Amyloid\*\*\*

AU MATSUMOTO AKIRA; FUJIWARA YOSHISADA  
CS Kobe Univ., School of Medicine  
SO Kiso Roka Kenkyu (Biomedical Gerontology), (1993) vol. 17, no. 2, pp.  
62-63. Journal Code: Y0748A (Ref. 4)  
ISSN: 0912-8921  
CY Japan  
DT Journal; Short Communication  
LA Japanese  
STA New

L4 ANSWER 44 OF 391 LIFESCI COPYRIGHT 2003 CSA on STN  
AN 2000:62119 LIFESCI  
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beta Precursor Protein  
AU Greenfield, J.P.; Xu, H.; Greengard, P.; Gandy, S.; Seeger, M.  
CS Laboratory of Molecular and Cellular Neuroscience, and Fisher Center for  
Research on Alzheimer Disease, Rockefeller University, New York, New York  
10021  
SO Journal of Biological Chemistry [J. Biol. Chem.], (19991100) vol. 274, no.  
48, pp. 33843-33846.  
ISSN: 0021-9258.  
DT Journal  
FS N3; N  
LA English  
SL English

L4 ANSWER 45 OF 391 LIFESCI COPYRIGHT 2003 CSA on STN  
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TI Alzheimer patients: Preamyloid deposits are immunoreactive with  
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CS Ist. Neurol. Carlo Besta, Via Celoria 11, 20133 Milano, Italy  
SO NEUROSCI. LETT., (1991) vol. 128, no. 1, pp. 117-120.  
DT Journal

FS N3  
 LA English  
 SL English

L4 ANSWER 46 OF 391 MEDLINE on STN  
 AN 2001286060 MEDLINE  
 DN 21110573 PubMed ID: 11162251  
 TI Amino-terminal modification and tyrosine phosphorylation of [corrected] carboxy-terminal fragments of the amyloid precursor protein in Alzheimer's disease and Down's syndrome brain.  
 CM Erratum in: Neurobiol Dis 2001 Jun;8(3):540  
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 CS Section of Pharmacology and Neuroscience, National Cancer Institute, Genova, Italy.  
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 AG08155 (NIA)  
 AG14359 (NIA)  
 NS37392 (NINDS)  
 SO NEUROBIOLOGY OF DISEASE, (2001 Feb) 8 (1) 173-80.  
 Journal code: 9500169. ISSN: 0969-9961.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200105  
 ED Entered STN: 20010529  
 Last Updated on STN: 20010828  
 Entered Medline: 20010524

L4 ANSWER 47 OF 391 MEDLINE on STN  
 AN 91128587 MEDLINE  
 DN 91128587 PubMed ID: 2126439  
 TI Colocalization of amino terminal and A4 ( \*\*\*beta\*\*\* - \*\*\*amyloid\*\*\* ) antigens in Alzheimer plaques: evidence for coordinated processing of the amyloid precursor protein.  
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 NC AG02126 (NIA)  
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 Journal code: 8805645. ISSN: 0891-9887.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199103  
 ED Entered STN: 19910405  
 Last Updated on STN: 19980206  
 Entered Medline: 19910318

L4 ANSWER 48 OF 391 PASCAL COPYRIGHT 2003 INIST-CNRS. ALL RIGHTS RESERVED. on STN  
 AN 2002-0526261 PASCAL  
 CP Copyright .COPYRGT. 2002 INIST-CNRS. All rights reserved.  
 TIEN Divergent pathways account for two distinct effects of amyloid .beta. peptides on exocytosis and Ca.sup.2.sup.+ currents: involvement of ROS and NF-KB  
 AU GREEN Kim N.; PEERS Chris  
 CS Institute for Cardiovascular Research, University of Leeds, Leeds, United Kingdom  
 SO Journal of neurochemistry, (2002), 81(5), 1043-1051, refs. 1 p. 1/2  
 ISSN: 0022-3042 CODEN: JONRA9  
 DT Journal  
 BL Analytic  
 CY United States  
 LA English  
 AV INIST-4037, 354000108919100160

L4 ANSWER 49 OF 391 PASCAL COPYRIGHT 2003 INIST-CNRS. ALL RIGHTS RESERVED. on STN  
 AN 1998-0432550 PASCAL  
 CP Copyright .COPYRGT. 1998 INIST-CNRS. All rights reserved.  
 TIEN GM1 ganglioside-bound amyloid .beta.-protein in Alzheimer's disease brain  
 The molecular biology of Alzheimer's disease and animal models: routes to the development of new therapies

MORI Hiroshi (ed.)  
 CS Department of Dementia Research, National Institute for Longevity  
 Sciences, 36-3 Gengo, Morioka, Obu 474, Japan; Department of  
 Neuropathology Faculty of Medicine, University of Tokyo, 7-3-1 Hongo,  
 Bunkyo-ku, Tokyo 113, Japan  
 Department of Molecular Biology, Tokyo Institute of Psychiatry, Japan  
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 SO Neurobiology of aging, (1998), 19(1, SUP), S65-S67, 14 refs.  
 Conference: 11 Annual Tokyo Institute of Psychiatry International  
 Symposium, Tokyo (Japan), 4 Mar 1997  
 ISSN: 0197-4580 CODEN: NEAGDO  
 DT Journal; Conference  
 BL Analytic  
 CY United States  
 LA English  
 AV INIST-20387, 354000075429300130

L4 ANSWER 50 OF 391 PASCAL COPYRIGHT 2003 INIST-CNRS. ALL RIGHTS RESERVED.  
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 AN 1996-0219891 PASCAL  
 CP Copyright .COPYRGHT. 1996 INIST-CNRS. All rights reserved.  
 TIEN Monoclonal \*\*\*antibodies\*\*\* against the \*\*\*human\*\*\*  
 metalloprotease EC 3.4.24.15 label neurofibrillary tangles in Alzheimer's  
 disease brain  
 AU CONN K. J.; PIETROPAOLO M.; JU S.-T.; ABRAHAM C. R.  
 CS Arthritis Center, K-5, Boston University School of Medicine, 80 East  
 Concord Street, Boston, MA 02118, United States  
 SO Journal of neurochemistry, (1996), 66(5), 2011-2018, refs. 1 p.1/4  
 ISSN: 0022-3042 CODEN: JONRA9  
 DT Journal  
 BL Analytic  
 CY United States  
 LA English  
 AV INIST-4037, 354000044329370290

L4 ANSWER 51 OF 391 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN  
 AN 2001:73885 SCISEARCH  
 GA The Genuine Article (R) Number: 392HB  
 TI Immunomodulation of the \*\*\*human\*\*\* prion peptide 106-126 aggregation  
 AU Hanan E; Goren O; Eshkenazy M; Solomon B (Reprint)  
 CS Tel Aviv Univ, Fac Life Sci, Dept Mol Microbiol & Biotechnol, IL-69978 Tel  
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 CYA Israel  
 SO BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (12 JAN 2001) Vol.  
 280, No. 1, pp. 115-120.  
 Publisher: ACADEMIC PRESS INC, 525 B ST, STE 1900, SAN DIEGO, CA  
 92101-4495 USA.  
 ISSN: 0006-291X.  
 DT Article; Journal  
 LA English  
 REC Reference Count: 35  
 \*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L4 ANSWER 52 OF 391 USPATFULL on STN  
 AN 2003:282760 USPATFULL  
 TI Novel amino acid sequences for \*\*\*human\*\*\* epidermal growth  
 factor-like polypeptides  
 IN Shimkets, Richard A., West Haven, CT, UNITED STATES  
 Fernandes, Elma, Branford, CT, UNITED STATES  
 Herrman, John, Guilford, CT, UNITED STATES  
 Vernet, Corine, Gainesville, FL, UNITED STATES  
 PA CuraGen Corporation, New Haven, CT, UNITED STATES, 06511 (U.S.  
 corporation)  
 PI US 2003199103 A1 20031023  
 AI US 2001-977639 A1 20011015 (9)  
 RLI Continuation of Ser. No. US 2000-584411, filed on 31 May 2000, PENDING  
 PRAI US 2000-201388P 20000503 (60)  
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 US 2000-189810P 20000316 (60)  
 US 1999-137322P 19990603 (60)  
 DT Utility  
 FS APPLICATION  
 LN.CNT 10459  
 INCL INCLM: 436/518.000  
 435/259.10 (22) 100 125/

NCL NCLM: 436/518.000  
NCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.500  
IC [7]  
ICM: C07K014-485  
ICS: C07H021-04; C12P021-02; C12N005-06; G01N033-543

L4 ANSWER 53 OF 391 USPATFULL on STN  
AN 2003:282611 USPATFULL  
TI \*\*\*Human\*\*\* cDNAs and proteins and uses thereof  
IN Bejanin, Stephane, Paris, FRANCE  
Tanaka, Hiroaki, Antony, FRANCE  
PA GENSET, S.A., Paris, FRANCE (non-U.S. corporation)  
PI US 2003198954 A1 20031023  
AI US 2001-1142 A1 20011114 (10)  
RLI Division of Ser. No. US 2001-924340, filed on 6 Aug 2001, PENDING  
PRAI WO 2001-IB1715 20010806  
US 2001-305456P 20010713 (60)  
US 2001-302277P 20010629 (60)  
US 2001-298698P 20010615 (60)  
US 2001-293574P 20010525 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 25681  
INCL INCLM: 435/006.000  
INCLS: 536/023.200  
NCL NCLM: 435/006.000  
NCLS: 536/023.200  
IC [7]  
ICM: C12Q001-68  
ICS: C07H021-04

L4 ANSWER 54 OF 391 USPATFULL on STN  
AN 2003:282304 USPATFULL  
TI Stabilized HBc chimera particles as therapeutic vaccine for chronic hepatitis  
IN Page, Mark, Allestree, UNITED KINGDOM  
Friede, Martin, Cardiff, CA, UNITED STATES  
PI US 2003198645 A1 20031023  
AI US 2003-372076 A1 20030221 (10)  
RLI Continuation-in-part of Ser. No. US 2002-82014, filed on 21 Feb 2002, PENDING Continuation-in-part of Ser. No. US 2002-80299, filed on 21 Feb 2002, PENDING  
DT Utility  
FS APPLICATION  
LN.CNT 5638  
INCL INCLM: 424/192.100  
INCLS: 424/191.100; 530/826.000; 424/189.100; 536/023.720; 536/023.700  
NCL NCLM: 424/192.100  
NCLS: 424/191.100; 530/826.000; 424/189.100; 536/023.720; 536/023.700  
IC [7]  
ICM: C07H021-04  
ICS: A61K039-29; A61K039-00; A61K039-002; C07K001-00

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 55 OF 391 USPATFULL on STN  
AN 2003:271511 USPATFULL  
TI N-(aryl/heteroarylacetyl) amino acid esters, pharmaceutical compositions comprising same, and methods for inhibiting \*\*\*beta\*\*\* - \*\*\*amyloid\*\*\* peptide release and/or its synthesis by use of such compounds  
IN Wu, Jing, San Mateo, CA, UNITED STATES  
Thorsett, Eugene D., Moss Beach, CA, UNITED STATES  
Nissen, Jeffrey S., Indianapolis, IN, UNITED STATES  
Mabry, Thomas E., Indianapolis, IN, UNITED STATES  
Latimer, Lee H., Oakland, CA, UNITED STATES  
John, Varghese, San Francisco, CA, UNITED STATES  
Fang, Lawrence Y., Foster City, CA, UNITED STATES  
Audia, James E., Indianapolis, IN, UNITED STATES  
PI US 2003191119 A1 20031009  
AI US 2002-314221 A1 20021209 (10)  
RLI Division of Ser. No. US 2001-984834, filed on 31 Oct 2001, PENDING Continuation of Ser. No. US 1999-303655, filed on 3 May 1999, GRANTED, Pat. No. US 6333351 Continuation of Ser. No. US 1997-976179, filed on 21 Nov 1997, GRANTED, Pat. No. US 6117901  
PRAI US 1996-98551P 19961122 (60)  
DT Utility

FS APPLICATION  
LN.CNT 3753  
INCL INCLM: 514/227.800  
INCLS: 514/357.000; 514/235.500; 514/563.000; 514/616.000  
NCL NCLM: 514/227.800  
NCLS: 514/357.000; 514/235.500; 514/563.000; 514/616.000  
IC [7]  
ICM: A61K031-541  
ICS: A61K031-5377; A61K031-44; A61K031-198; A61K031-16  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 56 OF 391 USPATFULL on STN  
AN 2003:271112 USPATFULL  
TI Novel proteins and nucleic acids encoding same  
IN Grosse, William M., Branford, CT, UNITED STATES  
Alsobrook, John P., II, Madison, CT, UNITED STATES  
Lepley, Denise M., Branford, CT, UNITED STATES  
Burgess, Catherine E., Wethersfield, CT, UNITED STATES  
Mishra, Vishnu, Gainesville, FL, UNITED STATES  
Kekuda, Ramesh, Stamford, CT, UNITED STATES  
Li, Li, Branford, CT, UNITED STATES  
Padigar, Muralidhara, Branford, CT, UNITED STATES  
Shimkets, Richard A., West Haven, CT, UNITED STATES  
Zerhusen, Bryan D., Branford, CT, UNITED STATES  
Spytek, Kimberly A., New Haven, CT, UNITED STATES  
Edinger, Shlomit R., New Haven, CT, UNITED STATES  
Gerlach, Valerie, Branford, CT, UNITED STATES  
MacDougall, John R., Hamden, CT, UNITED STATES  
Millet, Isabelle, Milford, CT, UNITED STATES  
Stone, David J., Guilford, CT, UNITED STATES  
Gunther, Erik, Branford, CT, UNITED STATES  
Ellerman, Karen, Branford, CT, UNITED STATES

PI US 2003190715 A1 20031009  
AI US 2001-976782 A1 20011012 (9)  
PRAI US 2000-240113P 20001012 (60)  
US 2000-240662P 20001016 (60)  
US 2000-240732P 20001016 (60)  
US 2000-240625P 20001016 (60)  
US 2000-240648P 20001016 (60)  
US 2000-240703P 20001016 (60)  
US 2000-241190P 20001016 (60)  
US 2000-240637P 20001016 (60)  
US 2000-240669P 20001016 (60)  
US 2001-262455P 20010118 (60)

DT Utility  
FS APPLICATION  
LN.CNT 9839  
INCL INCLM: 435/183.000  
INCLS: 435/069.100; 435/325.000; 435/320.100; 530/350.000; 536/023.200  
NCL NCLM: 435/183.000  
NCLS: 435/069.100; 435/325.000; 435/320.100; 530/350.000; 536/023.200  
IC [7]  
ICM: C12N009-00  
ICS: C07H021-04; C12P021-02; C12N005-06  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 57 OF 391 USPATFULL on STN  
AN 2003:265931 USPATFULL  
TI O-linked N-acetylglucosamine pathway in the pathogenesis of  
neurodegeneration and diabetes  
IN Kudlow, Jeffrey, Birmingham, AL, UNITED STATES  
Konrad, Robert, Carmel, IN, UNITED STATES  
PI US 2003186948 A1 20031002  
AI US 2003-392508 A1 20030320 (10)  
RLI Continuation-in-part of Ser. No. US 2001-813534, filed on 21 Mar 2001,  
GRANTED, Pat. No. US 6589995  
PRAI US 2000-190785P 20000321 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1426  
INCL INCLM: 514/150.000  
INCLS: 514/262.100; 514/062.000; 514/389.000  
NCL NCLM: 514/150.000  
NCLS: 514/262.100; 514/062.000; 514/389.000  
IC [7]  
ICM: A61K031-7000

ICS: A61K031-655; A61K031-519; A61K031-4162  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 58 OF 391 USPATFULL on STN  
AN 2003:264865 USPATFULL  
TI Therapy for \*\*\*human\*\*\* cancers using cisplatin and other drugs or  
genes encapsulated into liposomes  
IN Boulidakis, Teni, Palo Alto, CA, UNITED STATES  
PI US 2003185879 A1 20031002  
AI US 2003-350470 A1 20030123 (10)  
RLI Division of Ser. No. US 1999-434345, filed on 5 Nov 1999, GRANTED, Pat.  
No. US 6511676  
DT Utility  
FS APPLICATION  
LN.CNT 1652  
INCL INCLM: 424/450.000  
INCLS: 424/649.000  
NCL NCLM: 424/450.000  
NCLS: 424/649.000  
IC [7]  
ICM: A61K009-127  
ICS: A61K033-24  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 59 OF 391 USPATFULL on STN  
AN 2003:264844 USPATFULL  
TI Immunogenic HBC chimer particles stabilized with an N-terminal cysteine  
IN Birkett, Ashley J., Escondido, CA, UNITED STATES  
PI US 2003185858 A1 20031002  
AI US 2002-82014 A1 20020221 (10)  
RLI Continuation-in-part of Ser. No. US 2001-930915, filed on 15 Aug 2001,  
PENDING  
DT Utility  
FS APPLICATION  
LN.CNT 5511  
INCL INCLM: 424/227.100  
INCLS: 424/191.100; 530/350.000; 424/278.100; 435/320.100; 536/023.720  
NCL NCLM: 424/227.100  
NCLS: 424/191.100; 530/350.000; 424/278.100; 435/320.100; 536/023.720  
IC [7]  
ICM: C07H021-04  
ICS: A61K039-002; A61K045-00; C12N015-00; C12N015-63; C12N015-74;  
C07K014-00; A61K039-00; A61K047-00; C12N015-70; C07K017-00; A61K039-29;  
C12N015-09; C07K001-00  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 60 OF 391 USPATFULL on STN  
AN 2003:260805 USPATFULL  
TI .beta.-secretase enzyme compositions and methods  
IN Anderson, John P., San Francisco, CA, United States  
Basi, Guriqbal, Palo Alto, CA, United States  
Doan, Minh Tam, Hayward, CA, United States  
Frigon, Normand, Milbrae, CA, United States  
John, Varghese, San Francisco, CA, United States  
Power, Michael, Fremont, CA, United States  
Sinha, Sukanto, San Francisco, CA, United States  
Tatsuno, Gwen, Oakland, CA, United States  
Tung, Jay, Belmont, CA, United States  
Wang, Shuwen, Hersey, PA, United States  
McConlogue, Lisa, Burlingame, CA, United States  
PA Elan Pharmaceuticals, Inc., South San Francisco, CA, United States (U.S.  
corporation)  
PI US 6627739 B1 20030930  
AI US 2000-724566 20001128 (9)  
RLI Continuation of Ser. No. US 2000-501708, filed on 10 Feb 2000  
PRAI US 1999-119571P 19990210 (60)  
US 1999-139172P 19990615 (60)  
DT Utility  
FS GRANTED  
LN.CNT 4793  
INCL INCLM: 530/387.900  
INCLS: 530/388.100; 530/388.260; 530/389.100; 530/389.200  
NCL NCLM: 530/387.900  
NCLS: 530/388.100; 530/388.260; 530/389.100; 530/389.200  
IC [7]

EXF 530/387.9; 530/388.1; 530/388.26; 530/389.1; 530/389.2  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 61 OF 391 USPATFULL on STN  
AN 2003:257841 USPATFULL  
TI Interleukin-20  
IN Ebner, Reinhard, Gaithersburg, MD, UNITED STATES  
Murphy, Marianne, London, UNITED KINGDOM  
Ruben, Steven M., Brookeville, MD, UNITED STATES  
Hu, Jing-Shan, Mountain View, CA, UNITED STATES  
Duan, D. Roxanne, Bethesda, MD, UNITED STATES  
Florence, Kimberly A., Rockville, MD, UNITED STATES  
Rosen, Craig A., Laytonsville, MD, UNITED STATES  
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)  
PI US 2003180892 A1 20030925  
AI US 2002-277726 A1 20021023 (10)  
RLI Division of Ser. No. US 1999-231788, filed on 15 Jan 1999, GRANTED, Pat. No. US 6486301 Continuation-in-part of Ser. No. US 1998-115832, filed on 15 Jul 1998, PENDING Continuation-in-part of Ser. No. US 1998-115832, filed on 15 Jul 1998, PENDING  
PRAI US 1997-60140P 19970926 (60)  
US 1997-55952P 19970818 (60)  
US 1997-52870P 19970716 (60)  
US 1997-60140P 19970926 (60)  
US 1997-55952P 19970818 (60)  
US 1997-52870P 19970716 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 5982  
INCL INCLM: 435/069.520  
INCLS: 435/320.100; 435/325.000; 530/351.000; 536/023.500  
NCL NCLM: 435/069.520  
NCLS: 435/320.100; 435/325.000; 530/351.000; 536/023.500  
IC [7]  
ICM: C07K014-54  
ICS: C07H021-04; C12P021-04; C12N005-06  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 62 OF 391 USPATFULL on STN  
AN 2003:257831 USPATFULL  
TI Expression of proteolytically-sensitive peptides  
IN Courchesne, William E., Soda Springs, CA, UNITED STATES  
Schooley, David A., Reno, NV, UNITED STATES  
Copley, Kathrin, San Diego, CA, UNITED STATES  
PI US 2003180882 A1 20030925  
AI US 2002-278242 A1 20021023 (10)  
RLI Continuation of Ser. No. US 2000-661452, filed on 13 Sep 2000, ABANDONED  
Continuation of Ser. No. US 1999-237936, filed on 27 Jan 1999, ABANDONED  
DT Utility  
FS APPLICATION  
LN.CNT 1347  
INCL INCLM: 435/069.100  
INCLS: 435/219.000; 435/254.200; 435/320.100; 536/023.200; 435/483.000;  
530/350.000  
NCL NCLM: 435/069.100  
NCLS: 435/219.000; 435/254.200; 435/320.100; 536/023.200; 435/483.000;  
530/350.000  
IC [7]  
ICM: C12P021-02  
ICS: C07H021-04; C12N001-18; C12N009-50; C12N015-74; C07K014-39  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 63 OF 391 USPATFULL on STN  
AN 2003:257737 USPATFULL  
TI Avian and reptile derived polynucleotide encoding a polypeptide having heparanase activity  
IN Goldshmidt, Orit, Jerusalem, ISRAEL  
Pecker, Iris, Rishon LeZion, ISRAEL  
Vlodavsky, Israel, Mevaseret Zion, ISRAEL  
Michal, Israel, Ashkelon, ISRAEL  
Zcharia, Eyal, Jerusalem, ISRAEL  
PA Insight Strategy & Marketing Ltd. (non-U.S. corporation)  
Hadasit Medical Research Services and Development Ltd. (non-U.S. corporation)  
PI US 2003180722 A1 20030925



AI US 2003-431438 A1 20030508 (10)  
RLI Division of Ser. No. US 2001-930218, filed on 16 Aug 2001, PENDING  
Continuation-in-part of Ser. No. US 2000-666390, filed on 20 Sep 2000,  
ABANDONED  
DT Utility  
FS APPLICATION  
LN.CNT 2265  
INCL INCLM: 435/006.000  
INCLS: 435/069.100; 435/200.000; 435/325.000; 435/349.000; 536/023.200  
NCL NCLM: 435/006.000  
NCLS: 435/069.100; 435/200.000; 435/325.000; 435/349.000; 536/023.200  
IC [7]  
ICM: C12Q001-68  
ICS: C07H021-04; C12N009-24; C12N005-06; C12P021-02  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 64 OF 391 USPATFULL on STN  
AN 2003:257671 USPATFULL  
TI Methods and materials relating to alpha-2-macroglobulin-like  
polypeptides and polynucleotides  
IN Godbole, Shubhada D., Santa Clara, CA, UNITED STATES  
Boyle, Bryan J., San Francisco, CA, UNITED STATES  
Mize, Nancy K., Mountain View, CA, UNITED STATES  
Deng, Cenhua, Cupertino, CA, UNITED STATES  
Goodrich, Ryle W., San Jose, CA, UNITED STATES  
Arterburn, Matthew C., Los Gatos, CA, UNITED STATES  
Zhou, Ping, Cupertino, CA, UNITED STATES  
Tang, Y. Tom, San Jose, CA, UNITED STATES  
Liu, Chenghua, San Jose, CA, UNITED STATES  
Yeung, George, Mountain View, CA, UNITED STATES  
Drmanac, Radoje T., Palo Alto, CA, UNITED STATES

PI US 2003180722 A1 20030925  
AI US 2001-756247 A1 20010108 (9)  
RLI Continuation-in-part of Ser. No. US 2000-649167, filed on 23 Aug 2000,  
ABANDONED Continuation-in-part of Ser. No. US 2000-540217, filed on 31  
Mar 2000, ABANDONED Continuation-in-part of Ser. No. US 2000-684711,  
filed on 6 Oct 2000, PENDING Continuation-in-part of Ser. No. US  
2000-560875, filed on 27 Apr 2000, PENDING Continuation-in-part of Ser.  
No. US 2000-496914, filed on 3 Feb 2000, ABANDONED  
DT Utility  
FS APPLICATION  
LN.CNT 7553  
INCL INCLM: 435/006.000  
INCLS: 435/069.100; 435/320.100; 435/325.000; 530/386.000; 536/023.500  
NCL NCLM: 435/006.000  
NCLS: 435/069.100; 435/320.100; 435/325.000; 530/386.000; 536/023.500  
IC [7]  
ICM: C12Q001-68  
ICS: C07H021-04; C12P021-02; C12N005-06; C07K014-795  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 65 OF 391 USPATFULL on STN  
AN 2003:251133 USPATFULL  
TI ITI-D1 Kunitz domain mutants as hNE inhibitors  
IN Ley, Arthur Charles, Newton, MA, UNITED STATES  
Guterman, Sonia Kosow, Belmont, MA, UNITED STATES  
Markland, William, Milford, MA, UNITED STATES  
Kent, Rachel Baribault, Boxborough, MA, UNITED STATES  
Roberts, Bruce Lindsay, Milford, MA, UNITED STATES  
Ladner, Robert Charles, Ijamsville, MD, UNITED STATES  
PI US 2003175919 A1 20030918  
AI US 2002-38722 A1 20020108 (10)  
RLI Continuation of Ser. No. US 1999-849406, filed on 21 Jul 1999, PENDING A  
371 of International Ser. No. WO 1995-US16349, filed on 15 Dec 1995,  
UNKNOWN Continuation-in-part of Ser. No. US 1994-358160, filed on 16 Dec  
1994, GRANTED, Pat. No. US 5663143 Continuation-in-part of Ser. No. US  
1993-133031, filed on 13 Oct 1993, ABANDONED A 371 of International Ser.  
No. WO 1992-US1501, filed on 28 Feb 1992, UNKNOWN Division of Ser. No.  
US 1991-664989, filed on 1 Mar 1991, PATENTED Continuation-in-part of  
Ser. No. US 1990-487063, filed on 2 Mar 1990, ABANDONED  
Continuation-in-part of Ser. No. US 1988-240160, filed on 2 Sep 1988,  
ABANDONED  
DT Utility  
FS APPLICATION  
LN.CNT 3925  
INCL INCLM: 435/184.000

NCL INCLS: 435/069.200; 435/320.100; 435/325.000; 536/023.200  
NCLM: 435/184.000  
NCLS: 435/069.200; 435/320.100; 435/325.000; 536/023.200  
IC [7]  
ICM: C12N009-99  
ICS: C07H021-04; C12P021-02; C12N005-06  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 66 OF 391 USPATFULL on STN  
AN 2003:250925 USPATFULL  
TI Molecular antigen array  
IN Renner, Wolfgang A., Zurich, SWITZERLAND  
Bachmann, Martin, Winterthur, SWITZERLAND  
Tissot, Alain, Zurich, SWITZERLAND  
Maurer, Patrick, Winterthur, SWITZERLAND  
Lechner, Franziska, Zurich, SWITZERLAND  
Sebbel, Peter, Zurich, SWITZERLAND  
Piossek, Christine, Winterthur, SWITZERLAND  
Ortmann, Rainer, Saint Louis, SWITZERLAND  
Luond, Rainer, Therwil, SWITZERLAND  
Staufenbiel, Matthias, Lorrach, GERMANY, FEDERAL REPUBLIC OF  
Frey, Peter, Bern, SWITZERLAND  
PA Cytos Biotechnology AG (non-U.S. corporation)  
PI US 2003175711 A1 20030918  
AI US 2002-50898 A1 20020118 (10)  
PRAI US 2001-331045P 20011107 (60)  
US 2001-326998P 20011005 (60)  
US 2001-288549P 20010504 (60)  
US 2001-262379P 20010119 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 14673  
INCL INCLM: 435/006.000  
INCLS: 424/201.100; 435/005.000; 435/007.320  
NCL NCLM: 435/006.000  
NCLS: 424/201.100; 435/005.000; 435/007.320  
IC [7]  
ICM: C12Q001-70  
ICS: G01N033-554; G01N033-569; A61K039-295; C12Q001-68  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 67 OF 391 USPATFULL on STN  
AN 2003:250504 USPATFULL  
TI Molecular antigen array  
IN Renner, Wolfgang A., Zurich, SWITZERLAND  
Bachmann, Martin, Winterthur, SWITZERLAND  
Tissot, Alain, Zurich, SWITZERLAND  
Maurer, Patrick, Winterthur, SWITZERLAND  
Lechner, Franziska, Zurich, SWITZERLAND  
Sebbel, Peter, Zurich, SWITZERLAND  
Piossek, Christine, Winterthur, SWITZERLAND  
PA Cytos Biotechnology AG (non-U.S. corporation)  
PI US 2003175290 A1 20030918  
AI US 2002-50902 A1 20020118 (10)  
PRAI US 2001-331045P 20011107 (60)  
US 2001-326998P 20011005 (60)  
US 2001-288549P 20010504 (60)  
US 2001-262379P 20010119 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 15306  
INCL INCLM: 424/186.100  
INCLS: 435/005.000; 435/007.900; 435/287.200; 435/006.000  
NCL NCLM: 424/186.100  
NCLS: 435/005.000; 435/007.900; 435/287.200; 435/006.000  
IC [7]  
ICM: A61K039-12  
ICS: C12Q001-70; G01N033-53; G01N033-542; C12M001-34; C12Q001-68;  
C12M003-00  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 68 OF 391 USPATFULL on STN  
AN 2003:250493 USPATFULL  
TI Ubiquilin, a presenilin interactor and methods of using same  
IN Monteiro, Mervyn J., Columbia, MD, UNITED STATES

Perry, George, University Heights, OH, UNITED STATES  
Smith, Mark A., Cleveland, OH, UNITED STATES  
PI US 2003175278 A1 20030918  
AI US 2002-293000 A1 20021113 (10)  
PRAI US 2001-338549P 20011113 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2516  
INCL INCLM: 424/146.100  
INCLS: 435/007.200; 435/069.100; 435/320.100; 435/325.000; 435/226.000;  
536/023.200; 530/388.260  
NCL NCLM: 424/146.100  
NCLS: 435/007.200; 435/069.100; 435/320.100; 435/325.000; 435/226.000;  
536/023.200; 530/388.260  
IC [7]  
ICM: A61K039-395  
ICS: G01N033-53; G01N033-567; C07H021-04; C12N009-64; C12P021-02;  
C12N005-06; C07K016-40  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 69 OF 391 USPATFULL on STN  
AN 2003:244990 USPATFULL  
TI Use of sulfonyl aryl or heteroaryl hydroxamic acids and derivatives  
thereof as aggrecanase inhibitors  
IN Barta, Thomas E., Evanston, IL, UNITED STATES  
Arner, Elizabeth C., Wadsworth, IL, UNITED STATES  
Becker, Daniel, Glenview, IL, UNITED STATES  
Boehm, Terri L., Ballwin, MO, UNITED STATES  
DeCrescenzo, Gary A., St. Charles, MO, UNITED STATES  
McDonald, Joseph, Wildwood, MO, UNITED STATES  
PI US 2003171404 A1 20030911  
AI US 2002-194897 A1 20020712 (10)  
PRAI US 2001-306629P 20010719 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 5693  
INCL INCLM: 514/335.000  
INCLS: 514/422.000; 514/602.000; 514/255.050  
NCL NCLM: 514/335.000  
NCLS: 514/422.000; 514/602.000; 514/255.050  
IC [7]  
ICM: A61K031-4965  
ICS: A61K031-4439; A61K031-4025; A61K031-18  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 70 OF 391 USPATFULL on STN  
AN 2003:244942 USPATFULL  
TI Methods for alzheimer's disease treatment and cognitive enhancement  
IN Etcheberrigaray, Rene, Bethesda, MD, UNITED STATES  
Alkon, Daniel L., Bethesda, MD, UNITED STATES  
PA Neurologic, Inc. (U.S. corporation)  
PI US 2003171356 A1 20030911  
AI US 2002-167491 A1 20020613 (10)  
PRAI US 2002-362080P 20020307 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1098  
INCL INCLM: 514/212.030  
INCLS: 514/424.000; 514/450.000  
NCL NCLM: 514/212.030  
NCLS: 514/424.000; 514/450.000  
IC [7]  
ICM: A61K031-55  
ICS: A61K031-4015; A61K031-353  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 71 OF 391 USPATFULL on STN  
AN 2003:244343 USPATFULL  
TI Alpha-fetoprotein peptides and uses thereof  
IN Andersen, Thomas T., Albany, NY, UNITED STATES  
Bennett, James A., Delmar, NY, UNITED STATES  
Jacobson, Herbert I., Albany, NY, UNITED STATES  
Mesfin, Fassil B., Albany, NY, UNITED STATES  
PI US 2003170752 A1 20030911  
AI US 2001-872623 A1 20010602 (9)  
PRAI US 2000-208614P 20000601 (60)

DT Utility  
FS APPLICATION  
LN.CNT 1173  
INCL INCLM: 435/007.230  
INCLS: 530/326.000; 530/327.000; 530/328.000; 530/317.000  
NCL NCLM: 435/007.230  
NCLS: 530/326.000; 530/327.000; 530/328.000; 530/317.000  
IC [7]  
ICM: G01N033-574  
ICS: C07K007-08; C07K007-64  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 72 OF 391 USPATFULL on STN  
AN 2003:244336 USPATFULL  
TI Early detection marker for chronic inflammatory associated diseases  
IN Pereira, Heloise Anne, Edmond, OK, UNITED STATES  
PI US 2003170745 A1 20030911  
AI US 2003-384474 A1 20030307 (10)  
PRAI US 2002-363114P 20020308 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1079  
INCL INCLM: 435/007.200  
NCL NCLM: 435/007.200  
IC [7]  
ICM: G01N033-53  
ICS: G01N033-567  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 73 OF 391 USPATFULL on STN  
AN 2003:244219 USPATFULL  
TI \*\*\*Human\*\*\* cDNAs and proteins and uses thereof  
IN Bejanin, Stephane, Paris, FRANCE  
Tanaka, Hiroaki, Antony, FRANCE  
PA GENSET, S.A., Paris, FRANCE (non-U.S. corporation)  
PI US 2003170628 A1 20030911  
AI US 2001-999570 A1 20011114 (9)  
RLI Division of Ser. No. US 2001-924340, filed on 6 Aug 2001, PENDING  
PRAI WO 2001-IB1715 20010806  
US 2001-305456P 20010713 (60)  
US 2001-302277P 20010629 (60)  
US 2001-298698P 20010615 (60)  
US 2001-293574P 20010525 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 25549  
INCL INCLM: 435/006.000  
INCLS: 435/069.100; 435/007.100; 435/320.100; 435/325.000; 530/350.000;  
530/388.100; 536/023.500  
NCL NCLM: 435/006.000  
NCLS: 435/069.100; 435/007.100; 435/320.100; 435/325.000; 530/350.000;  
530/388.100; 536/023.500  
IC [7]  
ICM: C12Q001-68  
ICS: G01N033-53; C07H021-04; C12P021-02; C12N005-06; C07K014-47  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 74 OF 391 USPATFULL on STN  
AN 2003:243794 USPATFULL  
TI Death domain containing receptors  
IN Yu, Guo-Liang, Berkeley, CA, UNITED STATES  
Ni, Jian, Germantown, MD, UNITED STATES  
Gentz, Reiner L., Belo Horizonte, BRAZIL  
Dillon, Patrick J., Carlsbad, CA, UNITED STATES  
PA Human Genome Sciences, Inc. (U.S. corporation)  
PI US 2003170203 A1 20030911  
AI US 2002-189189 A1 20020705 (10)  
RLI Continuation-in-part of Ser. No. US 2000-557908, filed on 21 Apr 2000,  
PENDING Continuation-in-part of Ser. No. US 1997-815469, filed on 11 Mar  
1997, GRANTED, Pat. No. US 6153402  
PRAI US 2001-314314P 20010824 (60)  
US 2001-303155P 20010706 (60)  
US 1999-136741P 19990528 (60)  
US 1999-130488P 19990422 (60)  
US 1997-37341P 19970206 (60)

US 1996-13285P 19960312 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 9858  
INCL INCLM: 424/085.100  
INCLS: 424/145.100; 514/210.090; 514/011.000  
NCL NCLM: 424/085.100  
NCLS: 424/145.100; 514/210.090; 514/011.000  
IC [7]  
ICM: A61K039-395  
ICS: A61K031-407; A61K038-19; A61K038-13  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 75 OF 391 USPATFULL on STN  
AN 2003:243518 USPATFULL  
TI Data relationship model  
IN Sonmez, Kemal, Menlo Park, CA, UNITED STATES  
Toll, Lawrence R., Redwood City, CA, UNITED STATES  
Lincoln, Patrick Denis, Woodside, CA, UNITED STATES  
Karp, Peter D., San Mateo, CA, UNITED STATES  
PI US 2003169926 A1 20030911  
AI US 2001-4580 A1 20011203 (10)  
PRAI US 2000-250743P 20001201 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1575  
INCL INCLM: 382/219.000  
INCLS: 382/228.000  
NCL NCLM: 382/219.000  
NCLS: 382/228.000  
IC [7]  
ICM: G06K009-68

L4 ANSWER 76 OF 391 USPATFULL on STN  
AN 2003:240440 USPATFULL  
TI Cysteinyl protease inhibitors  
IN Munoz, Benito, 10741 Frank Daniels Rd., San Diego, CA, United States 92131  
Srinivasan, Kuman, 7693 Palmilla Dr., Apt. #2116, San Diego, CA, United States 92122  
Wang, Bowei, 7825 Roan Rd., San Diego, CA, United States 92129  
PI US 6617426 B1 20030909  
AI US 1999-338409 19990622 (9)  
DT Utility  
FS GRANTED  
LN.CNT 2060  
INCL INCLM: 530/331.000  
INCLS: 514/018.000; 514/019.000  
NCL NCLM: 530/331.000  
NCLS: 514/018.000; 514/019.000  
IC [7]  
ICM: C07K005-08  
EXF 530/331; 514/18; 514/19  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 77 OF 391 USPATFULL on STN  
AN 2003:239326 USPATFULL  
TI Double transgenic mice overexpressing \*\*\*human\*\*\* beta secretase and  
\*\*\*human\*\*\* APP-London  
IN Jacobsen, Helmut, Schopfheim, GERMANY, FEDERAL REPUBLIC OF  
Mosbach-Ozmen, Laurence, Saint-Louis, FRANCE  
Nelboeck-Hochstetter, Peter, Basel, SWITZERLAND  
PI US 2003167486 A1 20030904  
AI US 2003-372730 A1 20030224 (10)  
PRAI EP 2002-4331 20020301  
DT Utility  
FS APPLICATION  
LN.CNT 2177  
INCL INCLM: 800/012.000  
INCLS: 800/014.000  
NCL NCLM: 800/012.000  
NCLS: 800/014.000  
IC [7]  
ICM: A01K067-027  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 78 OF 391 USPATFULL on STN  
 AN 2003:238559 USPATFULL  
 TI Hydroxy alkyl amines  
 IN Freskos, John, Clayton, MO, UNITED STATES  
 Brown, David L., Chesterfield, MO, UNITED STATES  
 Fobian, Yvette M., Wildwood, MO, UNITED STATES  
 Fang, Larry, Foster City, CA, UNITED STATES  
 Romero, Arthur Glenn, Kalamazoo, MI, UNITED STATES  
 John, Varghese, San Francisco, CA, UNITED STATES  
 PI US 2003166717 A1 20030904  
 AI US 2002-160777 A1 20020531 (10)  
 PRAI US 2001-343772P 20011228 (60)  
 US 2001-332639P 20011119 (60)  
 US 2001-295332P 20010601 (60)  
 DT Utility  
 FS APPLICATION  
 LN.CNT 10078  
 INCL INCLM: 514/526.000  
 INCLS: 514/629.000; 514/600.000; 514/601.000; 558/482.000; 564/095.000;  
 564/163.000; 564/503.000  
 NCL NCLM: 514/526.000  
 NCLS: 514/629.000; 514/600.000; 514/601.000; 558/482.000; 564/095.000;  
 564/163.000; 564/503.000  
 IC [7]  
 ICM: A61K031-275  
 ICS: A61K031-18  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 79 OF 391 USPATFULL on STN  
 AN 2003:238482 USPATFULL  
 TI Reverse-turn mimetics and methods relating thereto  
 IN Urban, Jan, Kirkland, WA, UNITED STATES  
 Nakanishi, Hiroshi, Newcastle, WA, UNITED STATES  
 Lee, Min S., Sammamish, WA, UNITED STATES  
 PA Molecumetics, Ltd., Bellevue, WA (U.S. corporation)  
 PI US 2003166640 A1 20030904  
 AI US 2002-150481 A1 20020516 (10)  
 PRAI US 2001-291663P 20010516 (60)  
 DT Utility  
 FS APPLICATION  
 LN.CNT 1913  
 INCL INCLM: 514/224.200  
 INCLS: 514/249.000; 514/250.000; 514/230.500; 435/007.100; 436/518.000;  
 544/095.000; 544/014.000; 544/350.000; 544/345.000  
 NCL NCLM: 514/224.200  
 NCLS: 514/249.000; 514/250.000; 514/230.500; 435/007.100; 436/518.000;  
 544/095.000; 544/014.000; 544/350.000; 544/345.000  
 IC [7]  
 ICM: G01N033-53  
 ICS: C07D498-04; C07D487-04; A61K031-542; A61K031-5383; A61K031-498  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 80 OF 391 USPATFULL on STN  
 AN 2003:238478 USPATFULL  
 TI Hydroxyalkanoylaminolactams and related structures as inhibitors of  
 A-beta protein production  
 IN Olson, Richard E., Wilmington, DE, UNITED STATES  
 Liu, Hong, Glen Mills, PA, UNITED STATES  
 Thompson, Lorin A., Wilmington, DE, UNITED STATES  
 PI US 2003166636 A1 20030904  
 AI US 2002-287117 A1 20021104 (10)  
 RLI Division of Ser. No. US 2001-805645, filed on 14 Mar 2001, GRANTED, Pat.  
 No. US 6503902 Continuation-in-part of Ser. No. US 2000-661008, filed on  
 13 Sep 2000, ABANDONED  
 DT Utility  
 FS APPLICATION  
 LN.CNT 6969  
 INCL INCLM: 514/212.080  
 INCLS: 514/183.000; 514/326.000; 514/327.000; 514/227.800; 514/235.500;  
 514/253.120; 540/524.000; 544/060.000; 544/360.000; 544/130.000;  
 546/207.000  
 NCL NCLM: 514/212.080  
 NCLS: 514/183.000; 514/326.000; 514/327.000; 514/227.800; 514/235.500;  
 514/253.120; 540/524.000; 544/060.000; 544/360.000; 544/130.000;  
 546/207.000  
 IC [7]

ICM: A61K031-55  
ICS: A61K031-541; A61K031-5377; A61K031-496; A61K031-4545; A61K031-454;  
C07D417-02; C07D413-02; C07D043-02; C07D041-02  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 81 OF 391 USPATFULL on STN  
AN 2003:238422 USPATFULL  
TI Substituted amino carboxamides for the treatment of alzheimer's disease  
IN Warpehoski, Martha A., Portage, MI, UNITED STATES  
Jagodzinska, Barbara, Redwood City, CA, UNITED STATES  
PI US 2003166580 A1 20030904  
AI US 2003-337075 A1 20030106 (10)  
PRAI US 2002-345316P 20020104 (60)  
US 2002-350419P 20020118 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 4157  
INCL INCLM: 514/019.000  
INCLS: 560/041.000; 546/335.000  
NCL NCLM: 514/019.000  
NCLS: 560/041.000; 546/335.000  
IC [7]  
ICM: A61K038-04  
ICS: C07K005-04  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 82 OF 391 USPATFULL on STN  
AN 2003:238400 USPATFULL  
TI Synthetic immunogenic but non-deposit-forming polypeptides and peptides  
homologous to amyloid beta, prion protein, amylin, alpha-synuclein, or  
polyglutamine repeats for induction of an immune response thereto  
IN Frangione, Blas, New York, NY, UNITED STATES  
Wisniewski, Thomas, Statent Island, NY, UNITED STATES  
Sigurdsson, Einar M., New York, NY, UNITED STATES  
PA NEW YORK UNIVERSITY (U.S. corporation)  
PI US 2003166558 A1 20030904  
AI US 2002-301488 A1 20021121 (10)  
PRAI US 2001-331801P 20011121 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 4966  
INCL INCLM: 514/012.000  
INCLS: 514/013.000; 514/014.000; 514/015.000; 530/324.000; 530/325.000;  
530/327.000; 530/328.000; 530/326.000  
NCL NCLM: 514/012.000  
NCLS: 514/013.000; 514/014.000; 514/015.000; 530/324.000; 530/325.000;  
530/327.000; 530/328.000; 530/326.000  
IC [7]  
ICM: A61K038-16  
ICS: A61K038-10; A61K038-08; C07K014-00; C07K007-08; C07K007-06  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 83 OF 391 USPATFULL on STN  
AN 2003:237862 USPATFULL  
TI Monoclonal \*\*\*antibody\*\*\*  
IN Wiltfang, Jens, Eddigehausen, GERMANY, FEDERAL REPUBLIC OF  
Dyrks, Thomas, Berlin, GERMANY, FEDERAL REPUBLIC OF  
Monning, Ursula, Berlin, GERMANY, FEDERAL REPUBLIC OF  
PI US 2003166019 A1 20030904  
AI US 2002-170272 A1 20020611 (10)  
PRAI EP 2001-114192 20010612  
DT Utility  
FS APPLICATION  
LN.CNT 3683  
INCL INCLM: 435/007.210  
INCLS: 530/388.260  
NCL NCLM: 435/007.210  
NCLS: 530/388.260  
IC [7]  
ICM: G01N033-567  
ICS: C07K016-40  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 84 OF 391 USPATFULL on STN  
AN 2003:237706 USPATFULL

thereof  
IN Chiang, Lillian Wei-Ming, Edison, NJ, UNITED STATES  
PA Millennium Pharmaceuticals, Inc. (U.S. corporation)  
PI US 2003165863 A1 20030904  
AI US 2002-47855 A1 20020115 (10)  
PRAI US 2001-262306P 20010116 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 4471  
INCL INCLM: 435/006.000  
INCLS: 435/069.100; 435/226.000; 435/320.100; 435/325.000; 536/023.200  
NCL NCLM: 435/006.000  
NCLS: 435/069.100; 435/226.000; 435/320.100; 435/325.000; 536/023.200  
IC [7]  
ICM: C12Q001-68  
ICS: C07H021-04; C12N009-64; C12P021-02; C12N005-06  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 85 OF 391 USPATFULL on STN  
AN 2003:237324 USPATFULL  
TI Amyloid peptide inactivating enzyme to treat Alzheimer's disease  
IN Hersh, Louis B., Lexington, KY, UNITED STATES  
PI US 2003165481 A1 20030904  
AI US 2002-159279 A1 20020603 (10)  
RLI Division of Ser. No. US 2001-792079, filed on 26 Feb 2001, PENDING  
PRAI US 2000-184826P 20000224 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1712  
INCL INCLM: 424/093.210  
INCLS: 435/455.000; 435/368.000  
NCL NCLM: 424/093.210  
NCLS: 435/455.000; 435/368.000  
IC [7]  
ICM: A61K048-00  
ICS: C12N005-08  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 86 OF 391 USPATFULL on STN  
AN 2003:232056 USPATFULL  
TI PTH1R and PTH3R receptors, methods and uses thereof  
IN Juppner, Harald, Cambridge, MA, UNITED STATES  
Rubin, David A., Needham, MA, UNITED STATES  
PA The Massachusetts General Hospital (U.S. corporation)  
PI US 2003162256 A1 20030828  
AI US 2003-372095 A1 20030225 (10)  
RLI Division of Ser. No. US 1999-449632, filed on 30 Nov 1999, GRANTED, Pat.  
No. US 6541220  
PRAI US 1998-110467P 19981130 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2869  
INCL INCLM: 435/069.100  
INCLS: 514/012.000; 435/320.100; 435/325.000; 530/350.000; 536/023.500  
NCL NCLM: 435/069.100  
NCLS: 514/012.000; 435/320.100; 435/325.000; 530/350.000; 536/023.500  
IC [7]  
ICM: A61K038-17  
ICS: C07K014-72; C12P021-02; C12N005-06; C07H021-04  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 87 OF 391 USPATFULL on STN  
AN 2003:231986 USPATFULL  
TI \*\*\*Human\*\*\* cDNAs and proteins and uses thereof  
IN Bejanin, Stephane, Paris, FRANCE  
Tanaka, Hiroaki, Antony, FRANCE  
PA GENSET, S.A., Paris, FRANCE (non-U.S. corporation)  
PI US 2003162186 A1 20030828  
AI US 2002-154678 A1 20020522 (10)  
PRAI US 2001-293574P 20010525 (60)  
US 2001-298698P 20010615 (60)  
US 2001-302277P 20010629 (60)  
US 2001-305456P 20010713 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 25533



INCL INCLM: 435/006.000  
INCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 536/023.200  
NCL NCLM: 435/006.000  
NCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 536/023.200  
IC [7]  
ICM: C12Q001-68  
ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 88 OF 391 USPATFULL on STN  
AN 2003:231625 USPATFULL  
TI Therapeutic and cosmetic uses of heparanases  
IN Ilan, Neta, Rehovot, ISRAEL  
Vlodavsky, Israel, Mevaseret Zion, ISRAEL  
Yacoby-Zeevi, Oron, Moshav Bizaron, ISRAEL  
Pecker, Iris, Rishon LeZion, ISRAEL  
Feinstein, Elena, Rehovot, ISRAEL  
PI US 2003161823 A1 20030828  
AI US 2003-341582 A1 20030114 (10)  
RLI Continuation-in-part of Ser. No. US 2001-988113, filed on 19 Nov 2001,  
PENDING Continuation of Ser. No. US 2001-776874, filed on 6 Feb 2001,  
PENDING Continuation of Ser. No. US 1999-258892, filed on 1 Mar 1999,  
ABANDONED Continuation-in-part of Ser. No. WO 1998-US17954, filed on 31  
Aug 1998, PENDING Continuation-in-part of Ser. No. WO 2001-IL830, filed  
on 5 Sep 2001, UNKNOWN  
DT Utility  
FS APPLICATION  
LN.CNT 7437  
INCL INCLM: 424/094.610  
INCLS: 435/006.000; 435/200.000  
NCL NCLM: 424/094.610  
NCLS: 435/006.000; 435/200.000  
IC [7]  
ICM: A61K038-47  
ICS: C12Q001-68; C12N009-24  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 89 OF 391 USPATFULL on STN  
AN 2003:226348 USPATFULL  
TI Substituted sapogenins and their use  
IN Barraclough, Paul, Maidstone, UNITED KINGDOM  
Hanson, Jim, Steyning, UNITED KINGDOM  
Gunning, Phil, Grantchester, UNITED KINGDOM  
Rees, Daryl, Sandy, UNITED KINGDOM  
Xia, Zongqin, Shanghai, CHINA  
Hu, Yaer, Shanghai, CHINA  
PA PHYTOPHARM PLC. (non-U.S. corporation)  
PI US 2003158161 A1 20030821  
AI US 2002-189024 A1 20020703 (10)  
RLI Continuation-in-part of Ser. No. WO 2001-GB48, filed on 8 Jan 2001,  
UNKNOWN  
PRAI GB 2000-228 20000106  
DT Utility  
FS APPLICATION  
LN.CNT 2249  
INCL INCLM: 514/173.000  
INCLS: 514/172.000  
NCL NCLM: 514/173.000  
NCLS: 514/172.000  
IC [7]  
ICM: A61K031-58  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 90 OF 391 USPATFULL on STN  
AN 2003:225892 USPATFULL  
TI Reagents and methods for identifying and modulating expression of genes  
regulated by CDK inhibitors  
IN Roninson, Igor B., Wilmette, IL, UNITED STATES  
Poole, Jason C., Chicago, IL, UNITED STATES  
PI US 2003157704 A1 20030821  
AI US 2002-233032 A1 20020829 (10)  
PRAI US 2001-315791P 20010829 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 3944

NCL INCLS: 435/006.000; 435/325.000; 435/235.100; 435/239.000; 435/005.000  
NCLM: 435/320.100  
NCLS: 435/006.000; 435/325.000; 435/235.100; 435/239.000; 435/005.000  
IC [7]  
ICM: C12Q001-70  
ICS: C12Q001-68; C12N007-00; C12N007-01; C12N007-02; C12N015-00;  
C12N015-09; C12N015-63; C12N015-70; C12N015-74; C12N005-00; C12N005-02  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 91 OF 391 USPATFULL on STN  
AN 2003:225673 USPATFULL  
TI \*\*\*Human\*\*\* cDNAs and proteins and uses thereof  
IN Bejanin, Stephane, Paris, FRANCE  
Tanaka, Hiroaki, Antony, FRANCE  
PA GENSET, S.A., Paris, FRANCE (non-U.S. corporation)  
PI US 2003157485 A1 20030821  
AI US 2001-992095 A1 20011113 (9)  
RLI Division of Ser. No. US 2001-924340, filed on 6 Aug 2001, PENDING  
PRAI WO 2001-IB1715 20010806  
US 2001-305456P 20010713 (60)  
US 2001-302277P 20010629 (60)  
US 2001-298698P 20010615 (60)  
US 2001-293574P 20010525 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 25484  
INCL INCLM: 435/006.000  
INCLS: 435/069.100; 435/320.100; 435/325.000; 435/226.000; 800/008.000;  
536/023.200; 530/388.260; 435/007.200  
NCL NCLM: 435/006.000  
NCLS: 435/069.100; 435/320.100; 435/325.000; 435/226.000; 800/008.000;  
536/023.200; 530/388.260; 435/007.200  
IC [7]  
ICM: C12Q001-68  
ICS: G01N033-53; G01N033-567; A01K067-00; C07H021-04; C12N009-64;  
C12P021-02; C12N005-06  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 92 OF 391 USPATFULL on STN  
AN 2003:220443 USPATFULL  
TI Methods for producing pure perlecan and other heparan sulfate  
proteoglycans  
IN Castillo, Gerardo, Seattle, WA, UNITED STATES  
Snow, Alan D., Lynnwood, WA, UNITED STATES  
PI US 2003153734 A1 20030814  
AI US 2002-323323 A1 20021218 (10)  
RLI Continuation of Ser. No. US 2000-698518, filed on 26 Oct 2000, PENDING  
Continuation of Ser. No. US 1998-36492, filed on 6 Mar 1998, ABANDONED  
PRAI US 1997-38613P 19970306 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2512  
INCL INCLM: 530/370.000  
INCLS: 530/395.000  
NCL NCLM: 530/370.000  
NCLS: 530/395.000  
IC [7]  
ICM: C07K014-47  
ICS: C07K014-415  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 93 OF 391 USPATFULL on STN  
AN 2003:220436 USPATFULL  
TI Controlling protein levels in eucaryotic organisms  
IN Kenten, John H., Boyds, MD, UNITED STATES  
Roberts, Steven F., Bethesda, MD, UNITED STATES  
PA Proteinix, Inc. (U.S. corporation)  
PI US 2003153727 A1 20030814  
AI US 2003-345281 A1 20030116 (10)  
RLI Division of Ser. No. US 2001-880132, filed on 14 Jun 2001, GRANTED, Pat.  
No. US 6559280 Division of Ser. No. US 1999-406781, filed on 28 Sep  
1999, GRANTED, Pat. No. US 6306663  
PRAI US 1999-119851P 19990212 (60)  
DT Utility  
FS APPLICATION

INCL INCLM: 530/323.000  
INCLS: 435/106.000; 424/070.140; 530/330.000  
NCL NCLM: 530/323.000  
NCLS: 435/106.000; 424/070.140; 530/330.000  
IC [7]  
ICM: A61K007-06  
ICS: A61K007-11; C12P013-04; C07K005-00; C07K007-00; C07K016-00;  
C07K017-00; A61K038-00; A61K038-04  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 94 OF 391 USPATFULL on STN  
AN 2003:219631 USPATFULL  
TI Full-length \*\*\*human\*\*\* cDNAs encoding potentially secreted proteins  
IN Dumas Milne Edwards, Jean-Baptiste, Paris, FRANCE  
Bougueleret, Lydie, Petit Lancy, SWITZERLAND  
Jobert, Severin, Paris, FRANCE  
PI US 2003152921 A1 20030814  
AI US 2001-876997 A1 20010608 (9)  
RLI Continuation-in-part of Ser. No. US 2000-731872, filed on 7 Dec 2000,  
PENDING  
PRAI US 1999-169629P 19991208 (60)  
US 2000-187470P 20000306 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 27600  
INCL INCLM: 435/006.000  
INCLS: 435/183.000; 536/023.200  
NCL NCLM: 435/006.000  
NCLS: 435/183.000; 536/023.200  
IC [7]  
ICM: C12Q001-68  
ICS: C12N009-00; C07H021-04  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 95 OF 391 USPATFULL on STN  
AN 2003:214611 USPATFULL  
TI Methods and compositions comprising Renilla GFP  
IN Anderson, David, San Bruno, CA, UNITED STATES  
Peelle, Beau, Sommerville, MA, UNITED STATES  
PA Rigel Pharmaceuticals, Inc. (U.S. corporation)  
PI US 2003149254 A1 20030807  
AI US 2002-133973 A1 20020424 (10)  
RLI Continuation of Ser. No. US 2000-710058, filed on 10 Nov 2000, PENDING  
PRAI US 2001-290287P 20010510 (60)  
US 1999-164592P 19991110 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 5908  
INCL INCLM: 536/023.100  
INCLS: 435/006.000; 435/320.100; 435/325.000; 435/069.700; 530/350.000  
NCL NCLM: 536/023.100  
NCLS: 435/006.000; 435/320.100; 435/325.000; 435/069.700; 530/350.000  
IC [7]  
ICM: C12Q001-68  
ICS: G01N033-53; C07H021-04; C12P021-04; C07K014-435  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 96 OF 391 USPATFULL on STN  
AN 2003:213718 USPATFULL  
TI Novel APP mutation associated with an unusual Alzheimer's disease  
pathology  
IN Cruts, Mare, Antwerpen, BELGIUM  
Jonghe, Chris De, Edegem, BELGIUM  
Singh, Samir Kumar, Edegem, BELGIUM  
Broeckhoven, Christine van, Edegem, BELGIUM  
PI US 2003148356 A1 20030807  
AI US 2003-337970 A1 20030106 (10)  
RLI Continuation of Ser. No. WO 2001-EP7830, filed on 6 Jul 2001, UNKNOWN  
DT Utility  
FS APPLICATION  
LN.CNT 1415  
INCL INCLM: 435/006.000  
INCLS: 435/069.100; 435/226.000; 435/252.300; 435/320.100; 536/023.200  
NCL NCLM: 435/006.000  
NCLS: 435/069.100; 435/226.000; 435/252.300; 435/320.100; 536/023.200  
IC [7]

ICM: C12Q001-68  
ICS: C07H021-04; C12N009-64; C12N001-21; C12P021-02; C12N015-74  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 97 OF 391 USPATFULL on STN  
AN 2003:213627 USPATFULL  
TI Phage displayed PDZ domain ligands  
IN Held, Heike A., Oakland, CA, UNITED STATES  
Lasky, Laurence A., Sausalito, CA, UNITED STATES  
Laura, Richard P., San Bruno, CA, UNITED STATES  
Sidhu, Sachdev S., San Francisco, CA, UNITED STATES  
Wong, Wai Lee Tan, Los Altos, CA, UNITED STATES  
Wu, Yan, Foster City, CA, UNITED STATES  
PA GENENTECH, INC. (U.S. corporation)  
PI US 2003148264 A1 20030807  
AI US 2002-190082 A1 20020703 (10)  
PRAI US 2001-303634P 20010706 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 8976  
INCL INCLM: 435/005.000  
INCLS: 435/007.100; 435/235.100; 536/023.720; 530/350.000  
NCL NCLM: 435/005.000  
NCLS: 435/007.100; 435/235.100; 536/023.720; 530/350.000  
IC [7]  
ICM: C12Q001-70  
ICS: G01N033-53; C07H021-04; C12N007-00; C07K014-005  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 98 OF 391 USPATFULL on STN  
AN 2003:207362 USPATFULL  
TI High throughput functional genomics  
IN Hickman, James J., Falls Church, VA, UNITED STATES  
PI US 2003143720 A1 20030731  
AI US 2002-286760 A1 20021104 (10)  
RLI Division of Ser. No. US 2000-575377, filed on 22 May 2000, PENDING  
PRAI US 1999-135275P 19990521 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2781  
INCL INCLM: 435/287.100  
INCLS: 702/019.000; 205/777.500  
NCL NCLM: 435/287.100  
NCLS: 702/019.000; 205/777.500  
IC [7]  
ICM: G06F019-00  
ICS: G01N033-48; G01N033-50; C12M001-34  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 99 OF 391 USPATFULL on STN  
AN 2003:206852 USPATFULL  
TI Targeted adenovirus vectors for delivery of heterologous genes  
IN Vigne, Emmanuelle, L'Hay-Les-Roses, FRANCE  
Dedieu, Jean-Francois, Paris, FRANCE  
Latta, Martine, Charenton Le pont, FRANCE  
Yeh, Patrice, Gif Sur Yvette, FRANCE  
Perricaudet, Michel, Ecrosnes, FRANCE  
PI US 2003143209 A1 20030731  
AI US 2001-791524 A1 20010222 (9)  
RLI Continuation of Ser. No. WO 1999-IB1524, filed on 27 Aug 1999, UNKNOWN  
PRAI US 1998-98028P 19980827 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 3374  
INCL INCLM: 424/093.210  
INCLS: 435/235.100  
NCL NCLM: 424/093.210  
NCLS: 435/235.100  
IC [7]  
ICM: A61K048-00  
ICS: C12N007-00; C12N007-01  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 100 OF 391 USPATFULL on STN  
AN 2003:200784 USPATFULL

IN Birkett, Ashley J., Escondido, CA, UNITED STATES  
PI US 2003138769 A1 20030724  
AI US 2001-930915 A1 20010815 (9)  
RLI Continuation-in-part of Ser. No. US 2000-226867, filed on 22 Aug 2000,  
PENDING Continuation-in-part of Ser. No. US 2000-225843, filed on 16 Aug  
2000, PENDING  
DT Utility  
FS APPLICATION  
LN.CNT 6993  
INCL INCLM: 435/005.000  
INCLS: 530/350.000; 435/069.300; 435/325.000; 435/320.100  
NCL NCLM: 435/005.000  
NCLS: 530/350.000; 435/069.300; 435/325.000; 435/320.100  
IC [7]  
ICM: C12Q001-70  
ICS: C12P021-02; C12N005-06; C07K014-02  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 101 OF 391 USPATFULL on STN  
AN 2003:195233 USPATFULL  
TI Novel gamma secretase inhibitors  
IN Asberom, Theodros, West Orange, NJ, UNITED STATES  
Guzik, Henry S., Brooklyn, NY, UNITED STATES  
Josien, Hubert B., Hoboken, NJ, UNITED STATES  
Pissarnitski, Dmitri A., Scotch Plains, NJ, UNITED STATES  
PA SCHERING CORPORATION (U.S. corporation)  
PI US 2003135044 A1 20030717  
AI US 2002-210829 A1 20020801 (10)  
PRAI US 2002-355510P 20020206 (60)  
US 2001-310013P 20010803 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1170  
INCL INCLM: 540/593.000  
INCLS: 546/153.000; 548/494.000; 514/217.010; 514/312.000  
NCL NCLM: 540/593.000  
NCLS: 546/153.000; 548/494.000; 514/217.010; 514/312.000  
IC [7]  
ICM: A61K031-55  
ICS: C07D215-16; A61K031-47; C07D209-18  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 102 OF 391 USPATFULL on STN  
AN 2003:195030 USPATFULL  
TI Succinoylamino lactams as inhibitors of A-beta protein production  
IN Olson, Richard E., Wilmington, DE, UNITED STATES  
Maduskuie, Thomas P., Wilmington, DE, UNITED STATES  
Thompson, Lorin Andrew, Wilmington, DE, UNITED STATES  
PI US 2003134841 A1 20030717  
AI US 2002-285776 A1 20021101 (10)  
RLI Division of Ser. No. US 2000-506360, filed on 17 Feb 2000, PENDING  
Continuation-in-part of Ser. No. US 1999-370089, filed on 6 Aug 1999,  
ABANDONED  
PRAI US 1999-120227P 19990215 (60)  
US 1998-113558P 19981223 (60)  
US 1998-95698P 19980807 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 11008  
INCL INCLM: 514/212.080  
INCLS: 514/316.000; 514/326.000; 514/327.000; 514/422.000; 514/212.030;  
514/424.000; 540/524.000; 540/527.000; 546/188.000; 546/207.000;  
546/216.000; 548/518.000; 548/550.000  
NCL NCLM: 514/212.080  
NCLS: 514/316.000; 514/326.000; 514/327.000; 514/422.000; 514/212.030;  
514/424.000; 540/524.000; 540/527.000; 546/188.000; 546/207.000;  
546/216.000; 548/518.000; 548/550.000  
IC [7]  
ICM: A61K031-55  
ICS: A61K031-4545; A61K031-454; A61K031-4025; A61K031-4015; C07D043-02;  
C07D041-02  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 103 OF 391 USPATFULL on STN  
AN 2003:194619 USPATFULL  
TI Novel amine acid sequences for \*\*\*  
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elegans-like protein polypeptides  
IN Shimkets, Richard A., West Haven, CT, UNITED STATES  
Fernandes, Elma, Branford, CT, UNITED STATES  
Herrman, John, Guilford, CT, UNITED STATES  
Vernet, Corine, Gainesville, FL, UNITED STATES  
PA CuraGen Corporation, New Haven, CT (U.S. corporation)  
PI US 2003134430 A1 20030717  
AI US 2001-977751 A1 20011015 (9)  
RLI Continuation of Ser. No. US 2000-584411, filed on 31 May 2000, PENDING  
PRAI US 2000-201388P 20000503 (60)  
US 2000-193086P 20000330 (60)  
US 2000-191158P 20000322 (60)  
US 2000-189810P 20000316 (60)  
US 1999-137322P 19990603 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 10285  
INCL INCLM: 436/518.000  
INCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.500  
NCL NCLM: 436/518.000  
NCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.500  
IC [7]  
ICM: C12P021-02  
ICS: C12N005-06; C07K014-435; G01N033-543; C07H021-04  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 104 OF 391 USPATFULL on STN  
AN 2003:188691 USPATFULL  
TI Inhibitors and disassemblers of fibrillogenesis  
IN Gordon, David J., Chicago, IL, UNITED STATES  
Meredith, Stephen C., Chicago, IL, UNITED STATES  
PI US 2003130484 A1 20030710  
AI US 2002-103658 A1 20020320 (10)  
PRAI US 2001-277477P 20010320 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 4503  
INCL INCLM: 530/350.000  
INCLS: 514/012.000; 435/007.100  
NCL NCLM: 530/350.000  
NCLS: 514/012.000; 435/007.100  
IC [7]  
ICM: A61K038-17  
ICS: C07K014-435; G01N033-53  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 105 OF 391 USPATFULL on STN  
AN 2003:188458 USPATFULL  
TI Amino lactam sulfonamides as inhibitors of A-beta protein production  
IN Thompson, Lorin A., Wilmington, DE, UNITED STATES  
Han, Amy Qi, Hockessin, DE, UNITED STATES  
PI US 2003130251 A1 20030710  
AI US 2002-287367 A1 20021104 (10)  
RLI Division of Ser. No. US 2000-684718, filed on 7 Oct 2000, GRANTED, Pat.  
No. US 6503901  
PRAI US 1999-158565P 19991008 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 4917  
INCL INCLM: 514/183.000  
INCLS: 514/212.080; 514/227.800; 514/231.500; 514/253.130; 514/254.010;  
514/326.000; 514/327.000; 514/422.000; 514/424.000; 540/524.000;  
544/060.000; 544/130.000; 544/141.000; 544/360.000; 544/372.000;  
546/207.000; 546/243.000; 548/517.000; 548/543.000  
NCL NCLM: 514/183.000  
NCLS: 514/212.080; 514/227.800; 514/231.500; 514/253.130; 514/254.010;  
514/326.000; 514/327.000; 514/422.000; 514/424.000; 540/524.000;  
544/060.000; 544/130.000; 544/141.000; 544/360.000; 544/372.000;  
546/207.000; 546/243.000; 548/517.000; 548/543.000  
IC [7]  
ICM: A61K031-55  
ICS: A61K031-541; A61K031-5377; A61K031-496; A61K031-4439; A61K031-454;  
C07D417-02; C07D413-02; C07D043-02  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2003:188395 USPATFULL  
TI Heterocyclic compounds, pharmaceutical compositions comprising same, and  
methods for inhibiting \*\*\*beta\*\*\* - \*\*\*amyloid\*\*\* peptide release  
and/or its synthesis by use of such compounds  
IN Thorsett, Eugene D., Moss Beach, CA, UNITED STATES  
Porter, Warren J., Indianapolis, IN, UNITED STATES  
Nissen, Jeffrey S., Indianapolis, IN, UNITED STATES  
Latimer, Lee H., Oakland, CA, UNITED STATES  
Audia, James E., Indianapolis, IN, UNITED STATES  
Droste, James, Indianapolis, IN, UNITED STATES  
PI US 2003130188 A1 20030710  
AI US 2002-246558 A1 20020919 (10)  
RLI Division of Ser. No. US 1998-32019, filed on 27 Feb 1998, PENDING  
DT Utility  
FS APPLICATION  
LN.CNT 11320  
INCL INCLM: 514/012.000  
INCLS: 514/013.000; 514/014.000; 514/015.000; 514/016.000; 514/017.000;  
514/018.000; 514/019.000; 514/400.000; 514/419.000  
NCL NCLM: 514/012.000  
NCLS: 514/013.000; 514/014.000; 514/015.000; 514/016.000; 514/017.000;  
514/018.000; 514/019.000; 514/400.000; 514/419.000  
IC [7]  
ICM: A61K038-10  
ICS: A61K038-08; A61K038-06; A61K038-05; A61K031-4172; A61K031-405  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 107 OF 391 USPATFULL on STN  
AN 2003:181532 USPATFULL  
TI Hydroxypropylamines  
IN Fisher, Jed F., Kalamazoo, MI, UNITED STATES  
Jacobs, Jon S., Kalamazoo, MI, UNITED STATES  
Sherer, Brian, Ballston Spa, NY, UNITED STATES  
PI US 2003125365 A1 20030703  
AI US 2002-264707 A1 20021004 (10)  
PRAI US 2001-327149P 20011004 (60)  
US 2001-334058P 20011128 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 4089  
INCL INCLM: 514/374.000  
INCLS: 514/602.000; 514/617.000; 548/215.000; 564/176.000; 564/084.000;  
564/503.000  
NCL NCLM: 514/374.000  
NCLS: 514/602.000; 514/617.000; 548/215.000; 564/176.000; 564/084.000;  
564/503.000  
IC [7]  
ICM: A61K031-421  
ICS: A61K031-165; C07D263-02; C07C311-15  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 108 OF 391 USPATFULL on STN  
AN 2003:181424 USPATFULL  
TI Assay for identifying beta secretase inhibitors  
IN Brockhaus, Manfred, Bettingen, SWITZERLAND  
Doebeli, Heinz, Ziefen, SWITZERLAND  
Grueninger, Fiona, Arlesheim, SWITZERLAND  
Huguenin, Philipp, Liestal, SWITZERLAND  
Kitas, Eric Argirios, Aesch, SWITZERLAND  
Nelboeck-Hochstetter, Peter, Basel, SWITZERLAND  
PI US 2003125257 A1 20030703  
AI US 2002-322684 A1 20021218 (10)  
PRAI EP 2001-130282 20011220  
DT Utility  
FS APPLICATION  
LN.CNT 1045  
INCL INCLM: 514/012.000  
INCLS: 514/013.000; 514/014.000; 514/015.000; 435/023.000; 435/184.000  
NCL NCLM: 514/012.000  
NCLS: 514/013.000; 514/014.000; 514/015.000; 435/023.000; 435/184.000  
IC [7]  
ICM: A61K038-55  
ICS: C12Q001-37; C12N009-99  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2003:174039 USPATFULL  
TI Lactacystin analogs  
IN Schreiber, Stuart L., Boston, MA, UNITED STATES  
Standaert, Robert F., Bryan, TX, UNITED STATES  
Fenteany, Gabriel, Cambridge, MA, UNITED STATES  
Jamison, Timothy F., Cambridge, MA, UNITED STATES  
PI US 2003119887 A1 20030626  
AI US 2001-924993 A1 20010808 (9)  
RLI Continuation of Ser. No. US 1998-945092, filed on 26 Jan 1998, PENDING A  
371 of International Ser. No. WO 1996-US5072, filed on 12 Apr 1996,  
PENDING Continuation-in-part of Ser. No. US 1995-421583, filed on 12 Apr  
1995, GRANTED, Pat. No. US 6335358  
DT Utility  
FS APPLICATION  
LN.CNT 3836  
INCL INCLM: 514/369.000  
INCLS: 514/376.000; 514/386.000; 514/409.000; 514/424.000; 514/438.000;  
514/471.000; 514/473.000; 548/182.000; 548/190.000; 548/229.000;  
548/233.000; 548/316.400; 548/321.500; 548/543.000; 548/558.000;  
549/062.000; 549/321.000  
NCL NCLM: 514/369.000  
NCLS: 514/376.000; 514/386.000; 514/409.000; 514/424.000; 514/438.000;  
514/471.000; 514/473.000; 548/182.000; 548/190.000; 548/229.000;  
548/233.000; 548/316.400; 548/321.500; 548/543.000; 548/558.000;  
549/062.000; 549/321.000  
IC [7]  
ICM: C07D333-32  
ICS: C07D333-34; C07D277-12; C07D277-18  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 110 OF 391 USPATFULL on STN  
AN 2003:173967 USPATFULL  
TI Lactams substituted by cyclic succinates as inhibitors of A-beta protein  
production  
IN Olson, Richard E., Wilmington, DE, UNITED STATES  
PI US 2003119815 A1 20030626  
AI US 2002-287099 A1 20021104 (10)  
RLI Division of Ser. No. US 2001-871840, filed on 1 Jun 2001, GRANTED, Pat.  
No. US 6509333  
PRAI US 2000-208536P 20000601 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 6497  
INCL INCLM: 514/212.030  
INCLS: 514/212.080; 514/183.000; 514/327.000; 514/326.000; 540/451.000;  
540/524.000; 540/527.000; 546/207.000; 546/216.000  
NCL NCLM: 514/212.030  
NCLS: 514/212.080; 514/183.000; 514/327.000; 514/326.000; 540/451.000;  
540/524.000; 540/527.000; 546/207.000; 546/216.000  
IC [7]  
ICM: A61K031-55  
ICS: A61K031-454; C07D043-02; C07D041-02; C07D223-12; C07D211-40  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 111 OF 391 USPATFULL on STN  
AN 2003:173922 USPATFULL  
TI Intercellular delivery of a herpes simplex virus VP22 fusion protein  
from cells infected with lentiviral vectors  
IN Lai, Zhennan, N. Potomac, MD, UNITED STATES  
Reiser, Jakob, New Orleans, LA, UNITED STATES  
Brady, Roscoe O., Rockville, MD, UNITED STATES  
PI US 2003119770 A1 20030626  
AI US 2002-212634 A1 20020802 (10)  
PRAI US 2001-310012P 20010802 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2103  
INCL INCLM: 514/044.000  
INCLS: 424/093.200; 435/456.000; 435/320.100; 435/235.100  
NCL NCLM: 514/044.000  
NCLS: 424/093.200; 435/456.000; 435/320.100; 435/235.100  
IC [7]  
ICM: A61K048-00  
ICS: C12N007-00; C12N015-867  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.



L4 ANSWER 112 OF 391 USPATFULL on STN  
 AN 2003:165862 USPATFULL  
 TI Directed evolution of novel binding proteins  
 IN Ladner, Robert Charles, Ijamsville, MD, UNITED STATES  
 Guterman, Sonia Kosow, Belmont, MA, UNITED STATES  
 Roberts, Bruce Lindsay, Milford, MA, UNITED STATES  
 Markland, William, Milford, MA, UNITED STATES  
 Ley, Arthur Charles, Newton, MA, UNITED STATES  
 Kent, Rachel Baribault, Boxborough, MA, UNITED STATES  
 PI US 2003113717 A1 20030619  
 AI US 2001-893878 A1 20010629 (9)  
 RLI Continuation of Ser. No. US 1997-993776, filed on 18 Dec 1997, PENDING  
 Continuation of Ser. No. US 1995-415922, filed on 3 Apr 1995, PATENTED  
 Continuation of Ser. No. US 1993-9319, filed on 26 Jan 1993, PATENTED  
 Division of Ser. No. US 1991-664989, filed on 1 Mar 1991, PATENTED  
 Continuation-in-part of Ser. No. US 1990-487063, filed on 2 Mar 1990,  
 ABANDONED Continuation-in-part of Ser. No. US 1988-240160, filed on 2  
 Sep 1988, ABANDONED  
 PRAI WO 1989-US3731 19890901  
 DT Utility  
 FS APPLICATION  
 LN.CNT 15933  
 INCL INCLM: 435/006.000  
 INCLS: 435/007.200; 435/455.000; 435/091.200  
 NCL NCLM: 435/006.000  
 NCLS: 435/007.200; 435/455.000; 435/091.200  
 IC [7]  
 ICM: C12Q001-68  
 ICS: G01N033-53; G01N033-567; C12P019-34; C12N015-87  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 113 OF 391 USPATFULL on STN  
 AN 2003:159944 USPATFULL  
 TI N-(3-amino-2-hydroxy-propyl)substituted alkylamide compounds  
 IN Gailunas, Andrea, Burlingame, CA, UNITED STATES  
 Tucker, John A., San Mateo, CA, UNITED STATES  
 TenBrink, Ruth, Kalamazoo, MI, UNITED STATES  
 Mickelson, John, Mattawan, MI, UNITED STATES  
 PI US 2003109559 A1 20030612  
 AI US 2002-193044 A1 20020711 (10)  
 PRAI US 2001-341341P 20011217 (60)  
 US 2002-380574P 20020514 (60)  
 US 2001-308756P 20010730 (60)  
 US 2001-341416P 20011217 (60)  
 US 2001-344872P 20011221 (60)  
 US 2001-304525P 20010711 (60)  
 DT Utility  
 FS APPLICATION  
 LN.CNT 5746  
 INCL INCLM: 514/357.000  
 INCLS: 514/408.000; 514/617.000; 514/114.000; 514/517.000; 514/521.000;  
 514/563.000; 514/603.000; 548/567.000; 548/413.000; 546/330.000;  
 546/336.000; 558/166.000; 558/167.000; 558/414.000; 564/152.000  
 NCL NCLM: 514/357.000  
 NCLS: 514/408.000; 514/617.000; 514/114.000; 514/517.000; 514/521.000;  
 514/563.000; 514/603.000; 548/567.000; 548/413.000; 546/330.000;  
 546/336.000; 558/166.000; 558/167.000; 558/414.000; 564/152.000  
 IC [7]  
 ICM: A61K031-66  
 ICS: A61K031-44; A61K031-40; A61K031-277; A61K031-198; A61K031-165;  
 A61K031-18  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 114 OF 391 USPATFULL on STN  
 AN 2003:159842 USPATFULL  
 TI Multi-component antioxidant compounds, pharmaceutical compositions  
 containing same and their use for reducing or preventing oxidative  
 stress  
 IN Atlas, Daphne, Jerusalem, ISRAEL  
 PA Yissum Research Development Company of the Hebrew University of  
 Jerusalem (non-U.S. corporation)  
 PI US 2003109457 A1 20030612  
 AI US 2002-234319 A1 20020905 (10)  
 PRAI WO 2001-IL984 20011025  
 DT Utility  
 FS

LN.CNT 1867  
INCL INCLM: 514/018.000  
INCLS: 514/017.000; 530/330.000; 530/331.000  
NCL NCLM: 514/018.000  
NCLS: 514/017.000; 530/330.000; 530/331.000  
IC [7]  
ICM: A61K038-06  
ICS: A61K038-05; C07K005-06; C07K005-04  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 115 OF 391 USPATFULL on STN  
AN 2003:159365 USPATFULL  
TI Whole cell assay systems for cell surface proteases  
IN Ciambrone, Gary J., Redwood City, CA, UNITED STATES  
Gibbons, Ian, Portola Valley, CA, UNITED STATES  
PI US 2003108978 A1 20030612  
AI US 2002-281458 A1 20021025 (10)  
PRAI US 2001-337641P 20011025 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2061  
INCL INCLM: 435/024.000  
INCLS: 435/810.000  
NCL NCLM: 435/024.000  
NCLS: 435/810.000  
IC [7]  
ICM: C12Q001-37

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 116 OF 391 USPATFULL on STN  
AN 2003:159291 USPATFULL  
TI Novel scavenger receptors  
IN Wakamiya, Nobutaka, Hokkaido, JAPAN  
PI US 2003108904 A1 20030612  
AI US 2002-203860 A1 20020930 (10)  
WO 2001-JP874 20010208  
PRAI JP 2000-35155 20000214  
JP 2000-309068 20001010  
DT Utility  
FS APPLICATION  
LN.CNT 3200  
INCL INCLM: 435/006.000  
INCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.500  
NCL NCLM: 435/006.000  
NCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.500  
IC [7]  
ICM: C12Q001-68  
ICS: C07H021-04; C12P021-02; C12N005-06; C07K014-705

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 117 OF 391 USPATFULL on STN  
AN 2003:158903 USPATFULL  
TI Death domain containing receptor 4  
IN Ni, Jian, Rockville, MD, UNITED STATES  
Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Pan, James G., Belmont, CA, UNITED STATES  
Gentz, Reiner L., Rockville, MD, UNITED STATES  
Dixit, Vishva M., Los Altos Hills, CA, UNITED STATES  
PA Human Genome Sciences, Inc., Rockville, MD (U.S. corporation)  
PI US 2003108516 A1 20030612  
AI US 2002-175902 A1 20020621 (10)  
RLI Division of Ser. No. US 2000-565918, filed on 5 May 2000, GRANTED, Pat.  
No. US 6433147 Division of Ser. No. US 1998-13895, filed on 27 Jan 1998,  
GRANTED, Pat. No. US 6342363  
PRAI US 1999-132922P 19990506 (60)  
US 1997-37829P 19970205 (60)  
US 1997-35722P 19970128 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 9230  
INCL INCLM: 424/085.100  
INCLS: 424/155.100; 514/012.000  
NCL NCLM: 424/085.100  
NCLS: 424/155.100; 514/012.000  
IC [7]  
ICM: A61K038-06

ICS: A61K038-19; A61K038-17  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 118 OF 391 USPATFULL on STN  
AN 2003:152699 USPATFULL  
TI Method of reducing cellular production of amyloid beta  
IN Gurney, Mark E., Grand Rapids, MI, UNITED STATES  
Bienkowski, Michael J., Portage, MI, UNITED STATES  
Heinrikson, Robert L., Plainwell, MI, UNITED STATES  
Parodi, Luis A., Stockholm, SWEDEN  
Yan, Riqiang, Kalamazoo, MI, UNITED STATES  
PI US 2003104365 A1 20030605  
AI US 2000-548366 A1 20000412 (9)  
RLI Division of Ser. No. US 1999-416901, filed on 13 Oct 1999, PENDING  
Continuation-in-part of Ser. No. US 1999-404133, filed on 23 Sep 1999,  
ABANDONED Continuation-in-part of Ser. No. WO 1999-US20881, filed on 23  
Sep 1999, UNKNOWN  
PRAI US 1998-101594P 19980924 (60)  
US 1999-155493P 19990923 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 5578  
INCL INCLM: 435/006.000  
INCLS: 435/069.100; 435/226.000; 435/320.100; 435/368.000; 536/023.200  
NCL NCLM: 435/006.000  
NCLS: 435/069.100; 435/226.000; 435/320.100; 435/368.000; 536/023.200  
IC [7]  
ICM: C12Q001-68  
ICS: C07H021-04; C12N009-64; C12N005-08; C12P021-02  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 119 OF 391 USPATFULL on STN  
AN 2003:146795 USPATFULL  
TI 5-hydroxysapogenin derivatives with anti-dementia activity  
IN Barraclough, Paul, Maidstone, UNITED KINGDOM  
Hanson, Jim, Steyning, UNITED KINGDOM  
Gunning, Phil, Grantchester, UNITED KINGDOM  
Rees, Daryl, Sandy, UNITED KINGDOM  
Xia, Zongqin, Shanghai, CHINA  
Hu, Yaer, Shanghai, CHINA  
PI US 2003100542 A1 20030529  
AI US 2002-108737 A1 20020328 (10)  
RLI Continuation-in-part of Ser. No. WO 2000-GB3750, filed on 29 Sep 2000,  
UNKNOWN  
DT Utility  
FS APPLICATION  
LN.CNT 887  
INCL INCLM: 514/172.000  
NCL NCLM: 514/172.000  
IC [7]  
ICM: A61K031-58  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 120 OF 391 USPATFULL on STN  
AN 2003:146345 USPATFULL  
TI Metalloprotease-disintegrin ADAM23 (SVPH3-17)  
IN Cerretti, Douglas P., Seattle, WA, UNITED STATES  
PA Immunex Corporation (U.S. corporation)  
PI US 2003100091 A1 20030529  
AI US 2002-202675 A1 20020723 (10)  
RLI Division of Ser. No. US 634252, PENDING Continuation of Ser. No. WO  
1999-US3016, filed on 11 Feb 1999, PENDING  
PRAI US 1998-74310P 19980211 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 3070  
INCL INCLM: 435/196.000  
INCLS: 435/069.100; 435/320.100; 435/325.000; 536/023.200  
NCL NCLM: 435/196.000  
NCLS: 435/069.100; 435/320.100; 435/325.000; 536/023.200  
IC [7]  
ICM: C12N009-16  
ICS: C07H021-04; C12P021-02; C12N005-06  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 121 OF 391 USPATFULL

AN 2003:146281 USPATFULL  
TI Methods and compositions using coiled binding partners  
IN Colyer, John, West Yorkshire, UNITED KINGDOM  
Lightowler, Joanne, York, UNITED KINGDOM  
PI US 2003100027 A1 20030529  
AI US 2000-491614 A1 20000126 (9)  
RLI Continuation-in-part of Ser. No. US 1999-259474, filed on 26 Feb 1999,  
ABANDONED  
DT Utility  
FS APPLICATION  
LN.CNT 2588  
INCL INCLM: 435/007.400  
NCL NCLM: 435/007.400  
IC [7]  
ICM: G01N033-53  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 122 OF 391 USPATFULL on STN  
AN 2003:145900 USPATFULL  
TI CD40 ligand and CD40 agonist compositions and methods of use  
IN Ahuja, Seema A., San Antonio, TX, UNITED STATES  
Bonewald, Lynda F., San Antonio, TX, UNITED STATES  
PA Board of Regents, The University of Texas System (U.S. corporation)  
PI US 2003099644 A1 20030529  
AI US 2002-242212 A1 20020912 (10)  
RLI Division of Ser. No. US 2000-645926, filed on 24 Aug 2000, GRANTED, Pat.  
No. US 6482411  
PRAI US 1999-151250P 19990827 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 5263  
INCL INCLM: 424/144.100  
INCLS: 514/012.000  
NCL NCLM: 424/144.100  
NCLS: 514/012.000  
IC [7]  
ICM: A61K039-395  
ICS: A61K038-17  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 123 OF 391 USPATFULL on STN  
AN 2003:140906 USPATFULL  
TI Methods and compositions for the treatment of diseases associated with  
signal transduction aberrations  
IN Holoshitz, Joseph, Ann Arbor, MI, UNITED STATES  
Ling, Song, Ann Arbor, MI, UNITED STATES  
PA The Regents Of The University of Michigan (U.S. corporation)  
PI US 2003096748 A1 20030522  
AI US 2002-161959 A1 20020603 (10)  
PRAI US 2001-295691P 20010604 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2986  
INCL INCLM: 514/012.000  
INCLS: 530/359.000  
NCL NCLM: 514/012.000  
NCLS: 530/359.000  
IC [7]  
ICM: A61K038-17  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 124 OF 391 USPATFULL on STN  
AN 2003:140551 USPATFULL  
TI 21163, a novel \*\*\*human\*\*\* prolyl oligopeptidase and uses therefor  
IN Hunter, John Joseph, Somerville, MA, UNITED STATES  
Kapeller-Libermann, Rosana, Chestnut Hill, MA, UNITED STATES  
PA Millennium Pharmaceuticals, Inc. (U.S. corporation)  
PI US 2003096392 A1 20030522  
AI US 2001-25950 A1 20011219 (10)  
PRAI US 2000-257736P 20001222 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 4648  
INCL INCLM: 435/226.000  
INCLS: 435/069.100; 435/006.000; 435/320.100; 435/325.000; 536/023.200  
NCL NCLM: 435/226.000  
NCLS: 435/069.100; 435/006.000; 435/320.100; 435/325.000; 536/023.200

IC NCLS: 435/069.100; 435/006.000; 435/320.100; 435/325.000; 536/023.200  
[7]  
ICM: C12N009-64  
ICS: C12Q001-68; C07H021-04; C12P021-02; C12N005-06  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 125 OF 391 USPATFULL on STN  
AN 2003:140515 USPATFULL  
TI Novel G-protein-coupled receptor like proteins and polynucleotides  
encoded by them, and methods of using same  
IN Ozenberger, Bradley A., Newtown, PA, UNITED STATES  
Kajkowski, Eileen M., Ringoes, NJ, UNITED STATES  
Lo, Ching-Hsiung Frederick, Pennington, NJ, UNITED STATES  
Sofia, Heidi, Walla Walla, WA, UNITED STATES  
PA Wyeth, Madison, NJ (U.S. corporation)  
PI US 2003096356 A1 20030522  
AI US 2002-199881 A1 20020718 (10)  
RLI Continuation of Ser. No. US 2001-833503, filed on 12 Apr 2001, PENDING  
PRAI WO 1999-US21621 19991013  
US 1998-104104P 19981013 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1744  
INCL INCLM: 435/069.100  
INCLS: 435/320.100; 435/325.000; 530/350.000; 536/023.500  
NCL NCLM: 435/069.100  
NCLS: 435/320.100; 435/325.000; 530/350.000; 536/023.500  
IC [7]  
ICM: C07K014-705  
ICS: C07H021-04; C12P021-02; C12N005-06  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 126 OF 391 USPATFULL on STN  
AN 2003:140406 USPATFULL  
TI \*\*\*Human\*\*\* cDNAs and proteins and uses thereof  
IN Bejanin, Stephane, Paris, FRANCE  
Tanaka, Hiroaki, Antony, FRANCE  
PA GENSET, S.A., Paris, FRANCE, 75008 (non-U.S. corporation)  
PI US 2003096247 A1 20030522  
AI US 2001-986 A1 20011114 (10)  
RLI Division of Ser. No. US 2001-924340, filed on 6 Aug 2001, PENDING  
PRAI WO 2001-IB1715 20010806  
US 2001-305456P 20010713 (60)  
US 2001-302277P 20010629 (60)  
US 2001-298698P 20010615 (60)  
US 2001-293574P 20010525 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 25656  
INCL INCLM: 435/006.000  
INCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 530/350.000;  
536/023.200; 800/008.000  
NCL NCLM: 435/006.000  
NCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 530/350.000;  
536/023.200; 800/008.000  
IC [7]  
ICM: C12Q001-68  
ICS: A01K067-00; C07H021-04; C12N009-00; C12P021-02; C12N005-06  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 127 OF 391 USPATFULL on STN  
AN 2003:135733 USPATFULL  
TI Transgenic animal model of neurodegenerative disorders  
IN St. George-Hyslop, Peter H., Toronto, CANADA  
Fraser, Paul E., Toronto, CANADA  
Westaway, David, Etobicoke, CANADA  
PI US 2003093822 A1 20030515  
AI US 2001-884629 A1 20010619 (9)  
PRAI US 2000-212534P 20000620 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1380  
INCL INCLM: 800/018.000  
INCLS: 800/012.000  
NCL NCLM: 800/018.000  
NCLS: 800/012.000

IC [7]  
ICM: A01K067-027

L4 ANSWER 128 OF 391 USPATFULL on STN  
AN 2003:134658 USPATFULL  
TI Aminediols for the treatment of Alzheimer's disease  
IN Schostarez, Heinrich Josef, Portage, MI, UNITED STATES  
Chrusciel, Robert Alan, Portage, MI, UNITED STATES  
PI US 2003092747 A1 20030515  
AI US 2002-171343 A1 20020613 (10)  
PRAI US 2001-297827P 20010613 (60)  
US 2001-333084P 20011119 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 4779  
INCL INCLM: 514/357.000  
INCLS: 514/428.000; 514/651.000; 514/620.000; 514/603.000; 514/522.000;  
514/534.000; 546/329.000; 546/330.000; 548/561.000; 558/415.000;  
560/037.000; 564/355.000; 564/086.000; 564/164.000  
NCL NCLM: 514/357.000  
NCLS: 514/428.000; 514/651.000; 514/620.000; 514/603.000; 514/522.000;  
514/534.000; 546/329.000; 546/330.000; 548/561.000; 558/415.000;  
560/037.000; 564/355.000; 564/086.000; 564/164.000

IC [7]  
ICM: A61K031-44  
ICS: A61K031-40; A61K031-277; A61K031-165; A61K031-137; A61K031-24;  
A61K031-18

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 129 OF 391 USPATFULL on STN  
AN 2003:134570 USPATFULL  
TI Antisense compounds which prevent cell death and uses thereof  
IN Troy, Carol M., Hastings-on-Hudson, NY, UNITED STATES  
Shelanski, Michael L., Brooklyn, NY, UNITED STATES  
PI US 2003092659 A1 20030515  
AI US 2002-185084 A1 20020628 (10)  
RLI Continuation of Ser. No. US 1999-397711, filed on 3 Sep 1999, PENDING  
Continuation of Ser. No. WO 1998-US4128, filed on 3 Mar 1998, PENDING  
Continuation-in-part of Ser. No. US 1997-810540, filed on 3 Mar 1997,  
GRANTED, Pat. No. US 5929042  
DT Utility  
FS APPLICATION  
LN.CNT 1113  
INCL INCLM: 514/044.000  
INCLS: 514/014.000; 536/023.100; 530/326.000  
NCL NCLM: 514/044.000  
NCLS: 514/014.000; 536/023.100; 530/326.000  
IC [7]  
ICM: A61K048-00  
ICS: A61K038-10; C07H021-04; C07K007-08

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 130 OF 391 USPATFULL on STN  
AN 2003:134541 USPATFULL  
TI Inhibitors of memapsin 2 and use thereof  
IN Tang, Jordan J. N., Edmond, OK, UNITED STATES  
Koelsch, Gerald, Oklahoma City, OK, UNITED STATES  
Ghosh, Arun K., River Forest, IL, UNITED STATES  
PA Oklahoma Medical Research Foundation, Oklahoma City, OK (U.S.  
corporation)  
PI US 2003092629 A1 20030515  
AI US 2001-32818 A1 20011228 (10)  
PRAI US 2001-275756P 20010314 (60)  
US 2000-258705P 20001228 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2203  
INCL INCLM: 514/013.000  
INCLS: 530/326.000  
NCL NCLM: 514/013.000  
NCLS: 530/326.000  
IC [7]  
ICM: A61K038-10  
ICS: C07K007-08

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 131 OF 391 USPATFULL on STN  
 AN 2003:134526 USPATFULL  
 TI ADPI-41, a novel protein isolated from brain tissue homogenate and uses  
 therefor  
 IN Herath, Herath Mudiyanseelage Athula Chandrasiri, Abingdon, UNITED  
 KINGDOM  
 Parekh, Rajesh Bhikhu, Near Wendlebury, UNITED KINGDOM  
 Rohlff, Christian, Oxford, UNITED KINGDOM  
 Terrett, Jonathan Alexander, Abingdon, UNITED KINGDOM  
 Tyson, Kerry Louise, Caversham, UNITED KINGDOM  
 PI US 2003092614 A1 20030515  
 AI US 2001-14338 A1 20011210 (10)  
 PRAI US 2000-254431P 20001208 (60)  
 DT Utility  
 FS APPLICATION  
 LN.CNT 4183  
 INCL INCLM: 514/012.000  
 INCLS: 530/350.000; 435/069.700; 435/325.000; 435/320.100; 536/023.500  
 NCL NCLM: 514/012.000  
 NCLS: 530/350.000; 435/069.700; 435/325.000; 435/320.100; 536/023.500  
 IC [7]  
 ICM: C12P021-02  
 ICS: C12N005-06; A61K038-17; C07K014-435; C07H021-04  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 132 OF 391 USPATFULL on STN  
 AN 2003:133985 USPATFULL  
 TI Genetic construct intracellular monitoring system  
 IN Zhao, Sharon, Union City, CA, UNITED STATES  
 Vainshtein, Inna, Palo Alto, CA, UNITED STATES  
 Eglen, Richard, Los Altos, CA, UNITED STATES  
 PI US 2003092070 A1 20030515  
 AI US 2002-229747 A1 20020827 (10)  
 PRAI US 2001-316428P 20010830 (60)  
 US 2001-343156P 20011021 (60)  
 US 2002-353086P 20020130 (60)  
 DT Utility  
 FS APPLICATION  
 LN.CNT 1578  
 INCL INCLM: 435/007.200  
 INCLS: 435/200.000; 435/207.000  
 NCL NCLM: 435/007.200  
 NCLS: 435/200.000; 435/207.000  
 IC [7]  
 ICM: G01N033-53  
 ICS: G01N033-567; C12N009-24; C12N009-38  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 133 OF 391 USPATFULL on STN  
 AN 2003:133926 USPATFULL  
 TI \*\*\*Human\*\*\* cDNAs and proteins and uses thereof  
 IN Bejanin, Stephane, Paris, FRANCE  
 Tanaka, Hiroaki, Antony, FRANCE  
 PA GENSET, S.A., Paris, FRANCE, 75008 (non-U.S. corporation)  
 PI US 2003092011 A1 20030515  
 AI US 2001-489 A1 20011114 (10)  
 RLI Division of Ser. No. US 2001-924340, filed on 6 Aug 2001, PENDING  
 PRAI WO 2001-IB1715 20010806  
 US 2001-305456P 20010713 (60)  
 US 2001-302277P 20010629 (60)  
 US 2001-298698P 20010615 (60)  
 US 2001-293574P 20010525 (60)  
 DT Utility  
 FS APPLICATION  
 LN.CNT 25607  
 INCL INCLM: 435/006.000  
 INCLS: 800/003.000; 435/007.900; 435/183.000; 435/069.100; 435/320.100;  
 435/325.000; 536/023.200  
 NCL NCLM: 435/006.000  
 NCLS: 800/003.000; 435/007.900; 435/183.000; 435/069.100; 435/320.100;  
 435/325.000; 536/023.200  
 IC [7]  
 ICM: C12Q001-68  
 ICS: G01N033-53; G01N033-542; C07H021-04; C12N009-00; C12P021-02;  
 C12N005-06  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 134 OF 391 USPATFULL on STN  
AN 2003:127194 USPATFULL  
TI Peptides and pharmaceutical compositions thereof for treatment of disorders or diseases associated with abnormal protein folding into amyloid or amyloid-like deposits  
IN Soto-Jara, Claudio, New York, NY, UNITED STATES  
Baumann, Marc H., Helsinki, FINLAND  
Frangione, Blas, New York, NY, UNITED STATES  
PA New York University, New York, NY (U.S. corporation)  
PI US 2003087407 A1 20030508  
AI US 2002-235483 A1 20020906 (10)  
RLI Continuation of Ser. No. US 1996-766596, filed on 12 Dec 1996, GRANTED, Pat. No. US 6462171 Continuation-in-part of Ser. No. US 1996-630645, filed on 10 Apr 1996, GRANTED, Pat. No. US 5948763 Continuation-in-part of Ser. No. US 1995-478326, filed on 7 Jun 1995, ABANDONED  
DT Utility  
FS APPLICATION  
LN.CNT 1973  
INCL INCLM: 435/184.000  
INCLS: 435/069.200; 435/320.100; 435/325.000  
NCL NCLM: 435/184.000  
NCLS: 435/069.200; 435/320.100; 435/325.000  
IC [7]  
ICM: C12N009-99  
ICS: C12P021-02; C12N005-06  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 135 OF 391 USPATFULL on STN  
AN 2003:121034 USPATFULL  
TI Substituted alcohols useful in treatment of Alzheimer's disease  
IN John, Varghese, San Francisco, CA, UNITED STATES  
Hom, Roy, San Francisco, CA, UNITED STATES  
Tucker, John, San Mateo, CA, UNITED STATES  
PI US 2003083518 A1 20030501  
AI US 2002-183126 A1 20020627 (10)  
PRAI US 2001-301210P 20010627 (60)  
US 2001-323396P 20010918 (60)  
US 2001-332736P 20011119 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 3285  
INCL INCLM: 558/390.000  
INCLS: 560/037.000; 564/355.000  
NCL NCLM: 558/390.000  
NCLS: 560/037.000; 564/355.000  
IC [7]  
ICM: C07C255-58  
ICS: C07C317-26; C07C229-52; C07C215-68  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 136 OF 391 USPATFULL on STN  
AN 2003:120872 USPATFULL  
TI Statine derivatives for the treatment of Alzheimer's disease  
IN Schostarez, Heinrich Josef, Portage, MI, UNITED STATES  
Chrusciel, Robert Alan, Portage, MI, UNITED STATES  
PI US 2003083356 A1 20030501  
AI US 2002-192424 A1 20020710 (10)  
PRAI US 2001-304128P 20010710 (60)  
US 2001-327424P 20011005 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 4084  
INCL INCLM: 514/357.000  
INCLS: 514/428.000; 514/620.000; 514/626.000; 546/336.000; 548/567.000;  
564/164.000; 564/193.000  
NCL NCLM: 514/357.000  
NCLS: 514/428.000; 514/620.000; 514/626.000; 546/336.000; 548/567.000;  
564/164.000; 564/193.000  
IC [7]  
ICM: A61K031-44  
ICS: A61K031-40; A61K031-165; A61K031-16; C07D207-46  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 137 OF 391 USPATFULL on STN  
AN 2003:120869 USPATFULL



TI Diaminediols for the treatment of Alzheimer's disease  
IN Schostarez, Heinrich Josef, Portage, MI, UNITED STATES  
Chrusciel, Robert A., Portage, MI, UNITED STATES  
PI US 2003083353 A1 20030501  
AI US 2002-192625 A1 20020710 (10)  
PRAI US 2001-304305P 20010710 (60)  
US 2001-334480P 20011130 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 4041  
INCL INCLM: 514/349.000  
INCLS: 514/426.000; 514/485.000; 514/519.000; 514/567.000; 514/669.000;  
514/646.000; 548/557.000; 546/304.000; 558/453.000; 560/024.000;  
560/157.000; 564/506.000  
NCL NCLM: 514/349.000  
NCLS: 514/426.000; 514/485.000; 514/519.000; 514/567.000; 514/669.000;  
514/646.000; 548/557.000; 546/304.000; 558/453.000; 560/024.000;  
560/157.000; 564/506.000  
IC [7]  
ICM: C07D213-72  
ICS: A61K031-44; A61K031-275; A61K031-325; A61K031-13; A61K031-135;  
A61K031-195

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 138 OF 391 USPATFULL on STN  
AN 2003:120793 USPATFULL  
TI Use of insulin degrading enzyme (IDE) for the treatment of alzheimer's  
disease in patients  
IN Hersh, Louis B., Lexington, KY, UNITED STATES  
PI US 2003083277 A1 20030501  
AI US 2001-792079 A1 20010226 (9)  
PRAI US 2000-184826P 20000224 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1117  
INCL INCLM: 514/044.000  
INCLS: 424/094.630; 424/093.210  
NCL NCLM: 514/044.000  
NCLS: 424/094.630; 424/093.210  
IC [7]  
ICM: A61K048-00  
ICS: A61K038-48

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 139 OF 391 USPATFULL on STN  
AN 2003:120290 USPATFULL  
TI Nucleic acids encoding \*\*\*human\*\*\* adamalysin SVPH1-8  
IN Cerretti, Douglas P., Seattle, WA, UNITED STATES  
PA Immunex Corporation (U.S. corporation)  
PI US 2003082771 A1 20030501  
AI US 2002-265125 A1 20021003 (10)  
RLI Division of Ser. No. US 2000-617145, filed on 14 Jul 2000, GRANTED, Pat.  
No. US 6485956 Continuation of Ser. No. WO 1999-US603, filed on 12 Jan  
1999, PENDING  
PRAI US 1998-71505P 19980114 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2031  
INCL INCLM: 435/189.000  
INCLS: 435/006.000; 435/069.100; 435/320.100; 435/325.000; 536/023.200  
NCL NCLM: 435/189.000  
NCLS: 435/006.000; 435/069.100; 435/320.100; 435/325.000; 536/023.200  
IC [7]  
ICM: C12Q001-68  
ICS: C07H021-04; C12N009-02; C12P021-02; C12N005-06

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 140 OF 391 USPATFULL on STN  
AN 2003:120089 USPATFULL  
TI High-throughput transcriptome and functional validation analysis  
IN Melcher, Thorsten, San Francisco, CA, UNITED STATES  
McFarland, K. C., Davis, CA, UNITED STATES  
Gan, Li, San Francisco, CA, UNITED STATES  
Ye, Shiming, Albany, CA, UNITED STATES  
Gonzalez-Zulueta, Mirella, Pacifica, CA, UNITED STATES  
PI US 2003082570 A1 20030501

AI US 2002-116437 A1 20020403 (10)  
RLI Continuation-in-part of Ser. No. US 2001-27807, filed on 19 Oct 2001,  
PENDING Continuation-in-part of Ser. No. US 2000-627362, filed on 28 Jul  
2000, ABANDONED  
PRAI US 1999-146640P 19990730 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 3093  
INCL INCLM: 435/006.000  
INCLS: 435/091.200  
NCL NCLM: 435/006.000  
NCLS: 435/091.200  
IC [7]  
ICM: C12Q001-68  
ICS: C12P019-34  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 141 OF 391 USPATFULL on STN  
AN 2003:120071 USPATFULL  
TI Novel nucleic acid sequences encoding \*\*\*human\*\*\* cell adhesion  
molecule protein-like polypeptides  
IN Shimkets, Richard A., West Haven, CT, UNITED STATES  
Fernandes, Elma, Branford, CT, UNITED STATES  
Herrman, John, Guilford, CT, UNITED STATES  
Vernet, Corine, Gainesville, FL, UNITED STATES  
PA CuraGen Corporation, New Haven, CT, 06511  
PI US 2003082554 A1 20030501  
AI US 2001-977033 A1 20011015 (9)  
RLI Continuation of Ser. No. US 2000-584411, filed on 31 May 2000, PENDING  
PRAI US 2000-201388P 20000503 (60)  
US 2000-193086P 20000330 (60)  
US 2000-191158P 20000322 (60)  
US 2000-189810P 20000316 (60)  
US 1999-137322P 19990603 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 7063  
INCL INCLM: 435/006.000  
INCLS: 435/069.100; 435/325.000; 435/320.100; 530/350.000; 536/023.500  
NCL NCLM: 435/006.000  
NCLS: 435/069.100; 435/325.000; 435/320.100; 530/350.000; 536/023.500  
IC [7]  
ICM: C07K014-435  
ICS: C12Q001-68; C07H021-04; C12P021-02; C12N005-06  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 142 OF 391 USPATFULL on STN  
AN 2003:113499 USPATFULL  
TI Phosphinylmethyl and phosphorylmethyl succinic and glutaric acid analogs  
as beta-secretase inhibitors  
IN Etcheberrigaray, Rene, Columbia, MD, UNITED STATES  
Qiao, Lixin, Arlington, VA, UNITED STATES  
PA Neurologic, Inc. (U.S. corporation)  
PI US 2003078240 A1 20030424  
AI US 2002-274523 A1 20021021 (10)  
RLI Division of Ser. No. US 2001-866764, filed on 30 May 2001, PENDING  
DT Utility  
FS APPLICATION  
LN.CNT 776  
INCL INCLM: 514/114.000  
INCLS: 514/120.000; 562/011.000; 562/015.000; 562/024.000  
NCL NCLM: 514/114.000  
NCLS: 514/120.000; 562/011.000; 562/015.000; 562/024.000  
IC [7]  
ICM: A61K031-66  
ICS: A61K031-663; C07F009-22; C07F009-28  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 143 OF 391 USPATFULL on STN  
AN 2003:113462 USPATFULL  
TI Covalently reactive transition state analogs and methods of use thereof  
IN Paul, Sudhir, Missouri City, TX, UNITED STATES  
Nishiyama, Yasuhiro, Houston, TX, UNITED STATES  
PI US 2003078203 A1 20030424  
AI US 2002-114716 A1 20020401 (10)  
RLI Continuation-in-part of Ser. No. US 2001-862840, filed on 22 May 2001,

PENDING Division of Ser. No. US 1998-46373, filed on 23 Mar 1998,  
GRANTED, Pat. No. US 6235714  
PRAI US 2001-280624P 20010331 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2260  
INCL INCLM: 514/012.000  
INCLS: 530/350.000; 530/351.000; 424/085.100; 424/085.200; 424/189.100;  
424/190.100  
NCL NCLM: 514/012.000  
NCLS: 530/350.000; 530/351.000; 424/085.100; 424/085.200; 424/189.100;  
424/190.100  
IC [7]  
ICM: A61K039-29  
ICS: A61K039-02; A61K038-20; A61K038-19  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 144 OF 391 USPATFULL on STN  
AN 2003:112961 USPATFULL  
TI DEATH DOMAIN CONTAINING RECEPTORS  
IN YU, GUO-LIANG, DARNESTOWN, MD, UNITED STATES  
NI, JIAN, ROCKVILLE, MD, UNITED STATES  
DIXIT, VISHVA, ANN ARBOR, MI, UNITED STATES  
GENTZ, REINER L., SILVER SPRING, MD, UNITED STATES  
DILLON, PATRICK J., GAITHERSBURG, MD, UNITED STATES  
PI US 2003077694 A1 20030424  
AI US 1999-314889 A1 19990519 (9)  
RLI Continuation of Ser. No. US 1997-815469, filed on 11 Mar 1997, GRANTED,  
Pat. No. US 6153402  
PRAI US 1996-13285P 19960312 (60)  
US 1996-28711P 19961017 (60)  
US 1997-37341P 19970206 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 3011  
INCL INCLM: 435/069.100  
INCLS: 536/023.500; 435/320.100; 530/324.000; 530/387.900; 514/002.000  
NCL NCLM: 435/069.100  
NCLS: 536/023.500; 435/320.100; 530/324.000; 530/387.900; 514/002.000  
IC [7]  
ICM: A01N037-18  
ICS: A61K038-00; C07H021-04; C12P021-06; C12N015-00; C12N015-09;  
C12N015-63; C12N015-70; C12N015-74; C07K005-00; C07K007-00; C07K016-00;  
C07K017-00; C12P021-08  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 145 OF 391 USPATFULL on STN  
AN 2003:112496 USPATFULL  
TI Alzheimer's disease, secretase, app substrates therefor, and uses  
therefor  
IN Gurney, Mark E, Gran Rapids, MI, UNITED STATES  
Bienkowski, Michael J, Kalamazoo, MI, UNITED STATES  
Heinrikson, Robert L, Plainwell, MI, UNITED STATES  
Parodi, Luis A, Stockholm, SWEDEN  
Yan, Riqiang, Kalamazo, MI, UNITED STATES  
PI US 2003077226 A1 20030424  
AI US 2001-869414 A1 20010627 (9)  
WO 2001-IB797 20010509  
DT Utility  
FS APPLICATION  
LN.CNT 5976  
INCL INCLM: 424/009.600  
INCLS: 530/350.000; 435/366.000; 435/069.100; 435/320.100  
NCL NCLM: 424/009.600  
NCLS: 530/350.000; 435/366.000; 435/069.100; 435/320.100  
IC [7]  
ICM: A61K049-00  
ICS: C12N005-08; C07K014-435  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 146 OF 391 USPATFULL on STN  
AN 2003:106932 USPATFULL  
TI sulfonyl aryl hydroxamates and their use as matrix metalloprotease  
inhibitors  
IN Barta, Thomas E., Evanston, IL, UNITED STATES  
Becker, Daniel P., Glenview, IL, UNITED STATES

Bedell, Louis J., Prospect Heights, IL, UNITED STATES  
DeCrescenzo, Gary A., St. Charles, MO, UNITED STATES  
Freskos, John N., Clayton, MO, UNITED STATES  
Getman, Daniel P., Chesterfield, MO, UNITED STATES  
McDonald, Joseph J., Wildwood, MO, UNITED STATES  
Mischke, Brent V., Defiance, MO, UNITED STATES  
Rao, Shashidhar N., Saint Louis, MO, UNITED STATES  
Villamil, Clara I., Glenview, IL, UNITED STATES

PI US 2003073845 A1 20030417

AI US 2001-909227 A1 20010719 (9)

RLI Continuation-in-part of Ser. No. US 2000-569034, filed on 11 May 2000,  
PENDING Continuation-in-part of Ser. No. US 1999-310813, filed on 12 May  
1999, ABANDONED Continuation-in-part of Ser. No. US 1999-230209, filed  
on 24 Jun 1999, GRANTED, Pat. No. US 6380258 A 371 of International Ser.  
No. WO 1998-US4300, filed on 4 Mar 1998, UNKNOWN Continuation-in-part of  
Ser. No. US 2000-728408, filed on 1 Dec 2000, PENDING Continuation of  
Ser. No. US 1999-310813, filed on 12 May 1999, ABANDONED

PRAI US 1997-35182P 19970304 (60)

DT Utility

FS APPLICATION

LN.CNT 5507

INCL INCLM: 546/216.000

INCLS: 546/223.000; 534/751.000

NCL NCLM: 546/216.000

NCLS: 546/223.000; 534/751.000

IC [7]

ICM: C07D211-54

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 147 OF 391 USPATFULL on STN

AN 2003:106806 USPATFULL

TI Aromatic sulfone hydroxamic acids and their use as protease inhibitors

IN Barta, Thomas E., Evanston, IL, UNITED STATES

Becker, Daniel P., Glenview, IL, UNITED STATES

Bedell, Louis J., Mt. Prospect, IL, UNITED STATES

Boehm, Terri L., Ballwin, MO, UNITED STATES

Carroll, Jeffery N., Columbia, IL, UNITED STATES

DeCrescenzo, Gary A., St. Charles, MO, UNITED STATES

Fobian, Yvette M., Wildwood, MO, UNITED STATES

Freskos, John N., Clayton, MO, UNITED STATES

Getman, Daniel P., Chesterfield, MO, UNITED STATES

McDonald, Joseph J., Wildwood, MO, UNITED STATES

Li, Madeleine H., Vernon Hills, MO, UNITED STATES

Hockerman, Susan L., Chicago, IL, UNITED STATES

Howard, Carol Percy, Fenton, MO, UNITED STATES

Kolodziej, Steve A., Ballwin, MO, UNITED STATES

Mischke, Deborah A., Defiance, MO, UNITED STATES

Rico, Joseph G., Ballwin, MO, UNITED STATES

Stehle, Nathan W., Grafton, WI, UNITED STATES

Tollefson, Michael B., Hainesville, IL, UNITED STATES

Vernier, William F., St. Louis, MO, UNITED STATES

Villamil, Clara I., Glenview, IL, UNITED STATES

Kassab, Darren J., Wildwood, MO, UNITED STATES

PI US 2003073718 A1 20030417

AI US 2001-989943 A1 20011121 (9)

RLI Continuation-in-part of Ser. No. US 2000-570731, filed on 12 May 2000,  
PENDING

DT Utility

FS APPLICATION

LN.CNT 4996

INCL INCLM: 514/316.000

INCLS: 514/317.000; 514/326.000; 546/189.000; 546/207.000

NCL NCLM: 514/316.000

NCLS: 514/317.000; 514/326.000; 546/189.000; 546/207.000

IC [7]

ICM: A61K031-4545

ICS: C07D047-02; C07D041-02

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 148 OF 391 USPATFULL on STN

AN 2003:106789 USPATFULL

TI Succinoylamino heterocycles as inhibitors of a beta protein production

IN Thompson, Lorin A., Wilmington, DE, UNITED STATES

Kasireddy, Padmaja, Kennett Square, PA, UNITED STATES

PI US 2003073701 A1 20030417

AI US 2001-823820 A1 20011022 (9)

DT Utility  
FS APPLICATION  
LN.CNT 3957  
INCL INCLM: 514/255.010  
INCLS: 514/253.010; 514/252.140; 514/256.000; 514/330.000; 514/318.000;  
514/343.000; 514/423.000; 544/295.000; 544/360.000; 544/386.000;  
544/333.000; 546/208.000  
NCL NCLM: 514/255.010  
NCLS: 514/253.010; 514/252.140; 514/256.000; 514/330.000; 514/318.000;  
514/343.000; 514/423.000; 544/295.000; 544/360.000; 544/386.000;  
544/333.000; 546/208.000  
IC [7]  
ICM: A61K031-496  
ICS: A61K031-506; A61K031-4545  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 149 OF 391 USPATFULL on STN  
AN 2003:106698 USPATFULL  
TI Yeast screens for treatment of \*\*\*human\*\*\* disease  
IN Lindquist, Susan, Chestnut Hill, MA, UNITED STATES  
Krobitsch, Sylvia, Berlin, GERMANY, FEDERAL REPUBLIC OF  
Outeiro, Tiago Fleming, Cambridge, MA, UNITED STATES  
PA The University of Chicago (U.S. corporation)  
PI US 2003073610 A1 20030417  
AI US 2002-77584 A1 20020215 (10)  
PRAI US 2001-269157P 20010215 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 3198  
INCL INCLM: 514/001.000  
INCLS: 435/007.310; 435/254.200; 435/483.000  
NCL NCLM: 514/001.000  
NCLS: 435/007.310; 435/254.200; 435/483.000  
IC [7]  
ICM: A61K031-00  
ICS: G01N033-53; G01N033-569; C12N001-18; C12N015-74  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 150 OF 391 USPATFULL on STN  
AN 2003:106163 USPATFULL  
TI DIAGNOSTIC ASSAY FOR ALZHEIMER'S DISEASE: ASSESSMENT OF AB ABNORMALITIES  
IN TANZI, RUDOLPH E., CANTON, MA, UNITED STATES  
BUSH, ASHLEY I., SOMERVILLE, MA, UNITED STATES  
MOIR, ROBERT D., BOSTON, MA, UNITED STATES  
PI US 2003073074 A1 20030417  
AI US 1999-425956 A1 19991025 (9)  
RLI Continuation of Ser. No. US 1997-817423, filed on 4 Aug 1997, GRANTED,  
Pat. No. US 5972634 A 371 of International Ser. No. WO 1994-US11895,  
filed on 19 Oct 1994, UNKNOWN  
DT Utility  
FS APPLICATION  
LN.CNT 2343  
INCL INCLM: 435/006.000  
INCLS: 435/287.200; 435/007.900  
NCL NCLM: 435/006.000  
NCLS: 435/287.200; 435/007.900  
IC [7]  
ICM: C12Q001-68  
ICS: G01N033-53; G01N033-542; G01N033-537; G01N033-543; C12M001-34  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 151 OF 391 USPATFULL on STN  
AN 2003:105883 USPATFULL  
TI Encapsulation of plasmid DNA (lipogenes.TM.) and therapeutic agents with  
nuclear localization signal/fusogenic peptide conjugates into targeted  
liposome complexes  
IN Boulikas, Teni, Mountain View, CA, UNITED STATES  
PI US 2003072794 A1 20030417  
AI US 2001-876904 A1 20010608 (9)  
PRAI US 2000-210925P 20000609 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 4201  
INCL INCLM: 424/450.000  
INCLS: 435/458.000; 435/320.100; 514/044.000; 264/004.000  
NCL NCLM: 424/450.000

IC NCLS: 435/458.000; 435/320.100; 514/044.000; 264/004.000  
[7]

ICM: A61K048-00

ICS: A61K009-127; C12N015-88

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 152 OF 391 USPATFULL on STN

AN 2003:102440 USPATFULL

TI Stable macroscopic membranes formed by self-assembly of amphiphilic peptides and uses therefor

IN Zhang, Shuguang, Cambridge, MA, United States  
Lockshin, Curtis, Lexington, MA, United States  
Rich, Alexander, Cambridge, MA, United States  
Holmes, Todd, Cambridge, MA, United States

PA Massachusetts Institute of Technology, Cambridge, MA, United States  
(U.S. corporation)

PI US 6548630 B1 20030415

AI US 1997-898300 19970722 (8)

RLI Continuation of Ser. No. US 1994-346849, filed on 30 Nov 1994, now patented, Pat. No. US 5670483 Continuation of Ser. No. US 1992-973326, filed on 28 Dec 1992, now abandoned

DT Utility

FS GRANTED

LN.CNT 2187

INCL INCLM: 530/300.000

INCLS: 530/324.000; 530/325.000; 530/326.000; 530/327.000; 530/350.000;  
514/012.000; 514/013.000; 514/014.000

NCL NCLM: 530/300.000

NCLS: 530/324.000; 530/325.000; 530/326.000; 530/327.000; 530/350.000

IC [7]

ICM: C07K007-00

ICS: C07K016-00; A61K038-00

EXF 514/12; 514/13; 514/14; 530/300; 530/324; 530/325; 530/326; 530/327;  
530/350

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 153 OF 391 USPATFULL on STN

AN 2003:102126 USPATFULL

TI Lipopeptide stabilized microbubbles as diagnostic/therapeutic agents

IN Cuthbertson, Alan, Oslo, NORWAY  
Solbakken, Magne, Oslo, NORWAY  
Wolfe, Henry Raphael, Glenmoore, PA, United States

PA Amersham Health AS, Oslo, NORWAY (non-U.S. corporation)

PI US 6548048 B1 20030415

AI US 2000-695273 20001025 (9)

RLI Continuation of Ser. No. WO 1999-GB1247, filed on 22 Apr 1999

PRAI GB 1998-9084 19980428

US 1998-84833P 19980508 (60)

DT Utility

FS GRANTED

LN.CNT 1281

INCL INCLM: 424/009.520

INCLS: 424/009.510; 424/450.000; 424/489.000; 424/499.000

NCL NCLM: 424/009.520

NCLS: 424/009.510; 424/450.000; 424/489.000; 424/499.000

IC [7]

ICM: A61B008-00

ICS: A61K009-127; A61K009-14

EXF 424/9.51; 424/9.52; 424/9.5; 424/450; 424/489; 424/499; 600/441; 600/458

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 154 OF 391 USPATFULL on STN

AN 2003:100334 USPATFULL

TI Biological reagents and methods for determining the mechanism in the generation of \*\*\*beta\*\*\* - \*\*\*amyloid\*\*\* peptide

IN Audia, James E., Indianapolis, IN, UNITED STATES  
Hyslop, Paul A., Indianapolis, IN, UNITED STATES  
Nissen, Jeffrey S., Indianapolis, IN, UNITED STATES  
Thompson, Richard C., Frankfort, IN, UNITED STATES  
Tung, Jay S., Belmont, CA, UNITED STATES  
Tanner, Laura I., San Francisco, CA, UNITED STATES

PI US 2003069445 A1 20030410

AI US 2002-217459 A1 20020814 (10)

RLI Division of Ser. No. US 1999-408283, filed on 29 Sep 1999, GRANTED, Pat. No. US 6486350

PRAT US 1998-160082P 19980822 (60)

DT Utility  
FS APPLICATION  
LN.CNT 2200  
INCL INCLM: 564/059.000  
INCLS: 530/333.000; 560/157.000; 564/152.000  
NCL NCLM: 564/059.000  
NCLS: 530/333.000; 560/157.000; 564/152.000  
IC [7]  
ICM: C07K007-00  
ICS: C07C275-14; C07C271-20  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 155 OF 391 USPATFULL on STN  
AN 2003:100060 USPATFULL  
TI Pharmaceutical compositions of drug-oligomer conjugates and methods of  
treating diseases therewith  
IN Soltero, Richard, Holly Springs, NC, UNITED STATES  
Ekwuribe, Nnochiri N., Cary, NC, UNITED STATES  
Opawale, Foyeke, Raleigh, NC, UNITED STATES  
Rehlander, Bruce, Chapel Hill, NC, UNITED STATES  
Hickey, Anthony, Chapel Hill, NC, UNITED STATES  
Li Li, Bovet, Chapel Hill, NC, UNITED STATES  
PI US 2003069170 A1 20030410  
AI US 2002-235284 A1 20020905 (10)  
PRAI US 2001-318193P 20010907 (60)  
US 2002-377865P 20020503 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 3615  
INCL INCLM: 514/002.000  
INCLS: 514/012.000; 514/171.000; 514/560.000  
NCL NCLM: 514/002.000  
NCLS: 514/012.000; 514/171.000; 514/560.000  
IC [7]  
ICM: A61K038-23  
ICS: A61K031-56; A61K031-202; A61K038-00  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 156 OF 391 USPATFULL on STN  
AN 2003:99221 USPATFULL  
TI Immunogenic peptide composition for the prevention and treatment of  
Alzheimers Disease  
IN Wang, Chang Yi, Cold Spring Harbor, NY, UNITED STATES  
PI US 2003068325 A1 20030410  
AI US 2001-865294 A1 20010525 (9)  
DT Utility  
FS APPLICATION  
LN.CNT 2076  
INCL INCLM: 424/185.100  
INCLS: 435/226.000  
NCL NCLM: 424/185.100  
NCLS: 435/226.000  
IC [7]  
ICM: A61K039-00  
ICS: C12N009-64  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 157 OF 391 USPATFULL on STN  
AN 2003:99212 USPATFULL  
TI Anti-ADDL \*\*\*antibodies\*\*\* and uses thereof  
IN Klein, William L., Winnetka, IL, UNITED STATES  
Krafft, Grant A., Glenview, IL, UNITED STATES  
Lambert, Mary P., Glenview, IL, UNITED STATES  
Viola, Kirsten L., Chicago, IL, UNITED STATES  
Chromy, Brett A., Pleasanton, CA, UNITED STATES  
Gong, Yue Song, Evanston, IL, UNITED STATES  
Chang, Lei, Evanston, IL, UNITED STATES  
Morgan, Todd E., Los Angeles, CA, UNITED STATES  
Rozofsky, Irina, Pasadena, CA, UNITED STATES  
Finch, Caleb E., Altadena, CA, UNITED STATES  
PI US 2003068316 A1 20030410  
AI US 2002-166856 A1 20020611 (10)  
RLI Continuation-in-part of Ser. No. US 1999-369236, filed on 4 Aug 1999,  
PENDING Continuation-in-part of Ser. No. US 1997-796089, filed on 5 Feb  
1997, GRANTED, Pat. No. US 6218506  
PRAT US 1998-052640 19980804 (60)

DT Utility  
FS APPLICATION  
LN.CNT 2982  
INCL INCLM: 424/130.100  
NCL NCLM: 424/130.100  
IC [7]  
ICM: A61K039-395  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 158 OF 391 USPATFULL on STN  
AN 2003:96167 USPATFULL  
TI Catalytically active recombinant memapsin and methods of use thereof  
IN Tang, Jordan J. N., Edmond, OK, United States  
Lin, Xinli, Edmond, OK, United States  
Koelsch, Gerald, Oklahoma City, OK, United States  
Hong, Lin, Oklahoma City, OK, United States  
PA Oklahoma Medical Research Foundation, Oklahoma City, OK, United States  
(U.S. corporation)  
PI US 6545127 B1 20030408  
AI US 2000-604608 20000627 (9)  
PRAI US 1999-141363P 19990628 (60)  
US 1999-168060P 19991130 (60)  
US 2000-177836P 20000125 (60)  
US 2000-178368P 20000127 (60)  
US 2000-210292P 20000608 (60)  
DT Utility  
FS GRANTED  
LN.CNT 2563  
INCL INCLM: 530/350.000  
INCLS: 702/019.000; 530/300.000; 536/023.100  
NCL NCLM: 530/350.000  
NCLS: 530/300.000; 536/023.100; 702/019.000  
IC [7]  
ICM: G01N033-48  
ICS: G01N031-00; G06F019-00; A16K038-00; C07K001-00; C07K014-00;  
C07K017-00; C07M021-02; C07M021-04  
EXF 435/212; 435/183; 435/7.1; 435/226; 435/15; 530/300; 536/350; 536/23.1;  
702/19; 702/27  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 159 OF 391 USPATFULL on STN  
AN 2003:94733 USPATFULL  
TI Transgenic animals and cell lines for screening drugs effective for the  
treatment or prevention of Alzheimer's Disease  
IN Monte, Suzanne De La, East Greenwich, RI, UNITED STATES  
Wands, Jack R., Waban, MA, UNITED STATES  
PI US 2003066097 A1 20030403  
AI US 2001-964678 A1 20010928 (9)  
RLI Division of Ser. No. US 2000-380203, filed on 25 Apr 2000, PENDING A 371  
of International Ser. No. WO 1998-US3685, filed on 26 Feb 1998, UNKNOWN  
PRAI US 1997-38908P 19970226 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2091  
INCL INCLM: 800/012.000  
INCLS: 435/325.000; 435/320.100; 536/023.200  
NCL NCLM: 800/012.000  
NCLS: 435/325.000; 435/320.100; 536/023.200  
IC [7]  
ICM: A01K067-027  
ICS: C12N005-06; C07H021-04  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 160 OF 391 USPATFULL on STN  
AN 2003:94089 USPATFULL  
TI High throughput functional genomics  
IN Hickman, James J., Falls Church, VA, UNITED STATES  
PI US 2003065452 A1 20030403  
AI US 2002-286761 A1 20021104 (10)  
RLI Division of Ser. No. US 2000-575377, filed on 22 May 2000, PENDING  
PRAI US 1999-135275P 19990521 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2780  
INCL INCLM: 702/019.000  
INCLS: 435/007 210



NCL NCLM: 702/019.000  
NCLS: 435/007.210  
IC [7]  
ICM: G01N033-567  
ICS: G06F019-00; G01N033-48; G01N033-50  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 161 OF 391 USPATFULL on STN  
AN 2003:93790 USPATFULL  
TI Secreted protein HCEJQ69  
IN Ruben, Steven M., Olney, MD, UNITED STATES  
Ni, Jian, Germantown, MD, UNITED STATES  
Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Wei, Ying-Fei, Berkeley, CA, UNITED STATES  
Young, Paul, Gaithersburg, MD, UNITED STATES  
Florence, Kimberly, Rockville, MD, UNITED STATES  
Soppet, Daniel R., Centreville, VA, UNITED STATES  
Brewer, Laurie A., St. Paul, MN, UNITED STATES  
Endress, Gregory A., Florence, MA, UNITED STATES  
Carter, Kenneth C., North Potomac, MD, UNITED STATES  
Mucenski, Michael, Cincinnati, OH, UNITED STATES  
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES  
LaFleur, David W., Washington, DC, UNITED STATES  
Olsen, Henrik, Gaithersburg, MD, UNITED STATES  
Shi, Yanggu, Gaithersburg, MD, UNITED STATES  
Moore, Paul A., Germantown, MD, UNITED STATES  
Komatsoulis, George, Silver Spring, MD, UNITED STATES  
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)  
PI US 2003065151 A1 20030403  
AI US 2002-115123 A1 20020404 (10)  
RLI Division of Ser. No. US 1999-461325, filed on 14 Dec 1999, PENDING  
Continuation-in-part of Ser. No. WO 1999-US13418, filed on 15 Jun 1999, UNKNOWN  
PRAI US 1998-89507P 19980616 (60)  
US 1998-89508P 19980616 (60)  
US 1998-89509P 19980616 (60)  
US 1998-89510P 19980616 (60)  
US 1998-90112P 19980622 (60)  
US 1998-90113P 19980622 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 18779  
INCL INCLM: 530/388.260  
NCL NCLM: 530/388.260  
IC [7]  
ICM: C07K016-40  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 162 OF 391 USPATFULL on STN  
AN 2003:93780 USPATFULL  
TI Mutant presenilin 1 and presenilin 2 polypeptides  
IN Carter, Donald Bainbridge, Kalamazoo, MI, UNITED STATES  
Tomasselli, Alfredo Giuseppe, Kalamazoo, MI, UNITED STATES  
PI US 2003065141 A1 20030403  
AI US 2001-896621 A1 20010629 (9)  
PRAI US 2000-215345P 20000630 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2497  
INCL INCLM: 530/350.000  
INCLS: 435/069.100; 435/007.200  
NCL NCLM: 530/350.000  
NCLS: 435/069.100; 435/007.200  
IC [7]  
ICM: C07K014-435  
ICS: G01N033-53; G01N033-567; C12P021-02; C12N005-06  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 163 OF 391 USPATFULL on STN  
AN 2003:93067 USPATFULL  
TI Reagents and methods for identifying and modulating expression of genes regulated by CDK inhibitors  
IN Poole, Jason, Chicago, IL, UNITED STATES  
Chang, Bey-Dih, Lombard, IL, UNITED STATES  
Robinson, Igor R., Wilmette, IL, UNITED STATES

PI US 2003064426 A1 20030403  
AI US 2001-861925 A1 20010521 (9)  
PRAI US 2001-265840P 20010201 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 3443  
INCL INCLM: 435/008.000  
INCLS: 435/184.000; 435/320.100; 435/325.000; 435/069.100  
NCL NCLM: 435/008.000  
NCLS: 435/184.000; 435/320.100; 435/325.000; 435/069.100  
IC [7]  
ICM: C12Q001-66  
ICS: C12N009-99; C12P021-02; C12N005-06  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 164 OF 391 USPATFULL on STN  
AN 2003:93057 USPATFULL  
TI Process for differential diagnosis of Alzheimer's dementia in patients  
exhibiting mild cognitive impairment  
IN Jackowski, George, Kettleby, CANADA  
Takahashi, Miyoko, North York, CANADA  
PI US 2003064416 A1 20030403  
AI US 2002-246383 A1 20020917 (10)  
RLI Continuation-in-part of Ser. No. US 2001-971740, filed on 4 Oct 2001,  
PENDING Continuation of Ser. No. US 2001-842079, filed on 25 Apr 2001,  
GRANTED, Pat. No. US 6451547  
DT Utility  
FS APPLICATION  
LN.CNT 888  
INCL INCLM: 435/007.210  
NCL NCLM: 435/007.210  
IC [7]  
ICM: G01N033-567  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 165 OF 391 USPATFULL on STN  
AN 2003:89258 USPATFULL  
TI Nucleic acid encoding PTH1R receptor  
IN Juppner, Harald, Cambridge, MA, United States  
Rubin, David A., Needham, MA, United States  
PA The General Hospital Corporation, Boston, MA, United States (U.S.  
corporation)  
PI US 6541220 B1 20030401  
AI US 1999-449632 19991130 (9)  
PRAI US 1998-110467P 19981130 (60)  
DT Utility  
FS GRANTED  
LN.CNT 2932  
INCL INCLM: 435/069.100  
INCLS: 536/023.500; 536/024.300; 536/024.310; 530/350.000; 435/071.100;  
435/071.200; 435/471.000; 435/325.000; 435/320.100; 435/252.300;  
435/254.110  
NCL NCLM: 435/069.100  
NCLS: 435/071.100; 435/071.200; 435/252.300; 435/254.110; 435/320.100;  
435/325.000; 435/471.000; 530/350.000; 536/023.500; 536/024.300;  
536/024.310  
IC [7]  
ICM: C12N015-12  
ICS: C12N015-63; C12N005-10; C07K014-705  
EXF 536/23.1; 536/23.5; 536/24.3; 536/24.31; 530/350; 435/69.1; 435/71.1;  
435/71.2; 435/471; 435/325; 435/252.3; 435/254.11; 435/320.1  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 166 OF 391 USPATFULL on STN  
AN 2003:89115 USPATFULL  
TI Methods for using elk-L to enhance neuronal survival  
IN Lyman, Stewart, Seattle, WA, United States  
Beckmann, M. Patricia, Poulsbo, WA, United States  
Baum, Peter R., Seattle, WA, United States  
Carpenter, Melissa K., Issaquah, WA, United States  
PA Genentech, Inc., South San Francisco, CA, United States (U.S.  
corporation)  
PI US 6540992 B1 20030401  
AI US 1998-39642 19980316 (9)  
RLI Division of Ser. No. US 1996-747240, filed on 12 Nov 1996, now patented,  
Pat. No. US 5728812 Division of Ser. No. US 1995-100741, filed on 12 Nov 1995, now patented,  
Pat. No. US 5628812

1995, now patented, Pat. No. US 5670625 Division of Ser. No. US  
1994-213403, filed on 15 Mar 1994, now patented, Pat. No. US 5512457  
Continuation-in-part of Ser. No. US 1992-977693, filed on 13 Nov 1992,  
now abandoned

DT Utility  
FS GRANTED  
LN.CNT 1752

INCL INCLM: 424/085.100  
INCLS: 424/130.100; 424/134.100; 424/184.100; 424/185.100; 424/192.100;  
530/350.000; 530/351.000; 530/387.100; 530/387.300

NCL NCLM: 424/085.100  
NCLS: 424/130.100; 424/134.100; 424/184.100; 424/185.100; 424/192.100;  
530/350.000; 530/351.000; 530/387.100; 530/387.300

IC [7]  
ICM: A61K038-19  
ICS: C07K014-52

EXF 530/387.3; 530/351; 530/350; 530/387.1; 424/85.1; 424/192.1; 424/134.1;  
424/130.1; 424/184.1; 424/185.1

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 167 OF 391 USPATFULL on STN

AN 2003:86317 USPATFULL

TI Polynucleotide encoding a novel \*\*\*human\*\*\* potassium channel  
alpha-subunit, K+alphaM1, and variants thereof

IN Feder, John N., Belle Mead, NJ, UNITED STATES  
Lee, Liana M., North Brunswick, NJ, UNITED STATES  
Chen, Jian, Princeton, NJ, UNITED STATES  
Jackson, Donald, Lawrenceville, NJ, UNITED STATES  
Ramanathan, Chandra, Wallingford, CT, UNITED STATES  
Siemers, Nathan, Pennington, NJ, UNITED STATES  
Chang, Han, Princeton Junction, NJ, UNITED STATES

PI US 2003059923 A1 20030327  
AI US 2001-999220 A1 20011101 (9)  
PRAI US 2000-245383P 20001102 (60)  
US 2000-257780P 20001221 (60)  
US 2001-269854P 20010220 (60)

DT Utility  
FS APPLICATION  
LN.CNT 16037

INCL INCLM: 435/252.300  
INCLS: 536/023.100

NCL NCLM: 435/252.300  
NCLS: 536/023.100

IC [7]  
ICM: C07H021-02  
ICS: C07H021-04; C12N001-20

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 168 OF 391 USPATFULL on STN

AN 2003:78523 USPATFULL

TI 90 \*\*\*human\*\*\* secreted proteins

IN Ruben, Steven M., Olney, MD, UNITED STATES  
Soppet, Daniel R., Centreville, VA, UNITED STATES  
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES  
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES  
Young, Paul E., Gaithersburg, MD, UNITED STATES  
Greene, John M., Gaithersburg, MD, UNITED STATES  
Ferrie, Ann M., Painted Post, NY, UNITED STATES  
Yu, Guo-Liang, Berkeley, CA, UNITED STATES  
Ni, Jian, Germantown, MD, UNITED STATES  
Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Brewer, Laurie A., St. Paul, MN, UNITED STATES  
Janat, Fouad, Westerly, RI, UNITED STATES  
Birse, Charles E., North Potomac, MD, UNITED STATES

PI US 2003054443 A1 20030320  
AI US 2001-969730 A1 20011004 (9)

RLI Continuation-in-part of Ser. No. US 2001-774639, filed on 1 Feb 2001,  
PENDING Continuation of Ser. No. US 1999-244112, filed on 4 Feb 1999,  
ABANDONED Continuation-in-part of Ser. No. WO 1998-US16235, filed on 4  
Aug 1998, UNKNOWN

PRAI US 2000-238291P 20001006 (60)  
US 1997-55386P 19970805 (60)  
US 1997-54807P 19970805 (60)  
US 1997-55312P 19970805 (60)  
US 1997-55309P 19970805 (60)  
US 1997-54798P 19970805 (60)

US 1997-55310P 19970805 (60)  
US 1997-54806P 19970805 (60)  
US 1997-54809P 19970805 (60)  
US 1997-54804P 19970805 (60)  
US 1997-54803P 19970805 (60)  
US 1997-54808P 19970805 (60)  
US 1997-55311P 19970805 (60)  
US 1997-55986P 19970818 (60)  
US 1997-55970P 19970818 (60)  
US 1997-56563P 19970819 (60)  
US 1997-56557P 19970819 (60)  
US 1997-56731P 19970819 (60)  
US 1997-56365P 19970819 (60)  
US 1997-56367P 19970819 (60)  
US 1997-56370P 19970819 (60)  
US 1997-56364P 19970819 (60)  
US 1997-56366P 19970819 (60)  
US 1997-56732P 19970819 (60)  
US 1997-56371P 19970819 (60)

DT Utility

FS APPLICATION

LN.CNT 26693

INCL INCLM: 435/069.100

INCLS: 435/006.000; 435/007.100; 435/325.000; 435/320.100; 435/183.000;  
536/023.100; 530/350.000

NCL NCLM: 435/069.100

NCLS: 435/006.000; 435/007.100; 435/325.000; 435/320.100; 435/183.000;  
536/023.100; 530/350.000

IC [7]

ICM: C12P021-02

ICS: C12Q001-68; G01N033-53; C07H021-04; C12N009-00; C07K014-435;

C12N005-06

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 169 OF 391 USPATFULL on STN

AN 2003:72975 USPATFULL

TI Animal models for neurodegenerative disease

IN Greenfield, Susan Adele, Oxford, UNITED KINGDOM

Rawlins, John Nicholas Pepys, Oxford, UNITED KINGDOM

Deacon, Robert Michael John, Oxford, UNITED KINGDOM

PI US 2003051262 A1 20030313

AI US 2002-169343 A1 20020911 (10)

WO 2000-GB4991 20001222

PRAI GB 1999-30825 19991230

DT Utility

FS APPLICATION

LN.CNT 1016

INCL INCLM: 800/009.000

INCLS: 800/012.000; 800/018.000

NCL NCLM: 800/009.000

NCLS: 800/012.000; 800/018.000

IC [7]

ICM: A01K067-027

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 170 OF 391 USPATFULL on STN

AN 2003:72015 USPATFULL

TI Treatment of conditions associated with amyloid processing using PKC  
activators

IN Etcheberrigaray, Rene, Columbia, MD, UNITED STATES

Qiao, Lixin, Arlington, VA, UNITED STATES

Kozikowski, Alan P., Princeton, NJ, UNITED STATES

PA Neurologic, Inc. (U.S. corporation)

PI US 2003050302 A1 20030313

AI US 2002-254916 A1 20020926 (10)

RLI Division of Ser. No. US 2000-652656, filed on 31 Aug 2000, ABANDONED

DT Utility

FS APPLICATION

LN.CNT 933

INCL INCLM: 514/212.070

NCL NCLM: 514/212.070

IC [7]

ICM: A61K031-55

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 171 OF 391 USPATFULL on STN

AN 2003:71403 USPATFULL  
TI Protein fragment complementation assays for the detection of biological  
or drug interactions  
IN Michnick, Stephen William Watson, Westmount, CANADA  
Pelletier, Joelle Nina, Westmount, CANADA  
Remy, Ingrid, Montreal, CANADA  
PA Odyssey Pharmaceuticals, Inc., San Ramon, CA (non-U.S. corporation)  
PI US 2003049688 A1 20030313  
AI US 2002-154758 A1 20020524 (10)  
RLI Continuation of Ser. No. US 2000-499464, filed on 7 Feb 2000, GRANTED,  
Pat. No. US 6428951 Continuation of Ser. No. US 1998-17412, filed on 2  
Feb 1998, GRANTED, Pat. No. US 6270964  
PRAI CA 1997-2196496 19970131  
DT Utility  
FS APPLICATION  
LN.CNT 2757  
INCL INCLM: 435/007.100  
INCLS: 435/007.900; 702/019.000  
NCL NCLM: 435/007.100  
NCLS: 435/007.900; 702/019.000  
IC [7]  
ICM: G01N033-53  
ICS: G01N033-542; G06F019-00  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 172 OF 391 USPATFULL on STN  
AN 2003:70968 USPATFULL  
TI Polymeric conjugates for delivery of MHC-recognized epitopes via peptide  
vaccines  
IN Li, Frank Q., Montgomery Village, MD, UNITED STATES  
Chu, Yong-Liang, Rockville, MD, UNITED STATES  
Qiu, Jian-Tai, Rockville, MD, UNITED STATES  
PI US 2003049253 A1 20030313  
AI US 2002-62710 A1 20020205 (10)  
PRAI US 2001-310498P 20010808 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1790  
INCL INCLM: 424/144.100  
INCLS: 424/178.100  
NCL NCLM: 424/144.100  
NCLS: 424/178.100  
IC [7]  
ICM: A61K039-395  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 173 OF 391 USPATFULL on STN  
AN 2003:67840 USPATFULL  
TI Genetic sequences related to Alzheimer's Disease  
IN St. George-Hyslop, Peter H., Toronto, CANADA  
Rommens, Johanna M., Toronto, CANADA  
Fraser, Paul E., Toronto, CANADA  
PA The Hospital for Sick Children, Toronto, CANADA (non-U.S. corporation)  
HSC Research and Development Limited Partnership, Toronto, CANADA  
(non-U.S. corporation)  
The Governing Council of the University of Toronto, Toronto, CANADA  
(non-U.S. corporation)  
PI US 6531586 B1 20030311  
AI US 1995-431048 19950428 (8)  
DT Utility  
FS GRANTED  
LN.CNT 3650  
INCL INCLM: 536/023.500  
INCLS: 536/023.100; 435/320.100; 435/325.000; 435/069.100  
NCL NCLM: 536/023.500  
NCLS: 435/069.100; 435/320.100; 435/325.000; 536/023.100  
IC [7]  
ICM: C12N015-11  
ICS: C12N015-63; C12N015-85; C07H021-04  
EXF 435/6; 435/69.1; 435/172.1; 435/172.3; 435/320.1; 435/325; 435/375;  
435/252.3; 435/254.11; 800/2; 800/DIG.1; 800/DIG.2; 536/23.5  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 174 OF 391 USPATFULL on STN  
AN 2003:64775 USPATFULL  
TI Expression of proteolytically-sensitive peptides

IN Courchesne, William E., Soda Springs, CA, UNITED STATES  
Schooley, David A., Reno, NV, UNITED STATES  
Copley, Kathrin, San Diego, CA, UNITED STATES  
PI US 2003044896 A1 20030306  
AI US 2001-7447 A1 20011105 (10)  
RLI Continuation of Ser. No. US 2000-661452, filed on 13 Sep 2000, PENDING  
Continuation of Ser. No. US 1999-237936, filed on 27 Jan 1999, ABANDONED  
PRAI US 1998-72691P 19980127 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1389  
INCL INCLM: 435/069.100  
INCLS: 435/226.000; 435/254.200  
NCL NCLM: 435/069.100  
NCLS: 435/226.000; 435/254.200  
IC [7]  
ICM: C12P021-02  
ICS: C12N009-64; C12N001-18  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 175 OF 391 USPATFULL on STN  
AN 2003:64730 USPATFULL  
TI Secreted protein HCEJQ69  
IN Ruben, Steven M., Olney, MD, UNITED STATES  
Ni, Jian, Germantown, MD, UNITED STATES  
Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Wei, Ying-Fei, Berkeley, CA, UNITED STATES  
Young, Paul E., Gaithersburg, MD, UNITED STATES  
Florence, Kimberly A., Rockville, MD, UNITED STATES  
Soppet, Daniel R., Centreville, VA, UNITED STATES  
Brewer, Laurie A., St. Paul, MN, UNITED STATES  
Endress, Gregory A., Florence, MA, UNITED STATES  
Carter, Kenneth C., North Potomac, MD, UNITED STATES  
Mucenski, Michael, Cincinnati, OH, UNITED STATES  
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES  
LaFleur, David W., Washington, DC, UNITED STATES  
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES  
Shi, Yanggu, Gaithersburg, MD, UNITED STATES  
Moore, Paul A., Germantown, MD, UNITED STATES  
Komatsoulis, George A., Silver Spring, MD, UNITED STATES  
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES (U.S.  
corporation)  
PI US 2003044851 A1 20030306  
US 6627741 B2 20030930  
AI US 2001-12542 A1 20011212 (10)  
RLI Division of Ser. No. US 1999-461325, filed on 14 Dec 1999, PENDING  
Continuation-in-part of Ser. No. WO 1999-US13418, filed on 15 Jun 1999,  
UNKNOWN  
PRAI US 1998-89507P 19980616 (60)  
US 1998-89508P 19980616 (60)  
US 1998-89509P 19980616 (60)  
US 1998-89510P 19980616 (60)  
US 1998-90112P 19980622 (60)  
US 1998-90113P 19980622 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 18831  
INCL INCLM: 435/007.200  
INCLS: 530/387.100; 435/326.000  
NCL NCLM: 530/389.200  
NCLS: 530/387.100; 530/387.300; 530/387.700; 530/388.100; 530/388.150;  
530/387.900; 530/389.200; 530/389.100  
IC [7]  
ICM: G01N033-53  
ICS: C07K016-00; C12N005-16; C12N005-06; G01N033-567  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 176 OF 391 USPATFULL on STN  
AN 2003:46308 USPATFULL  
TI Transgenic animals and cell lines for screening drugs effective for the  
treatment or prevention of Alzheimer's disease  
IN De La Monte, Suzanne, East Greenwich, RI, UNITED STATES  
Wands, Jack R., Waban, MA, UNITED STATES  
PI US 2003033621 A1 20030213  
AI US 2001-964667 A1 20010928 (9)  
RLI Division of Ser. No. US 2000-380203, filed on 05 2000, PENDING 271



No. US 1999-345464, filed on 30 Jun 1999, ABANDONED  
PRAI US 1999-122458P 19990301 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 22222  
INCL INCLM: 536/023.100  
NCL NCLM: 536/023.100  
IC [7]  
ICM: C07H021-02  
ICS: C07H021-04

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 179 OF 391 USPATFULL on STN  
AN 2003:37643 USPATFULL  
TI Methods of screening for agents that inhibit aggregation of polypeptides  
IN Housman, David E., Newton, MA, UNITED STATES  
Preisinger, Elizabeth A., Roslindale, MA, UNITED STATES  
Kazantsev, Aleksey G., Boston, MA, UNITED STATES  
PA Massachusetts Institute of Technology, a Massachusetts corporation (U.S. corporation)  
PI US 2003027288 A1 20030206  
AI US 2002-194584 A1 20020712 (10)  
RLI Division of Ser. No. US 1999-405048, filed on 27 Sep 1999, GRANTED, Pat. No. US 6420122  
DT Utility  
FS APPLICATION  
LN.CNT 1058  
INCL INCLM: 435/091.100  
INCLS: 435/091.330; 424/186.100; 424/208.100  
NCL NCLM: 435/091.100  
NCLS: 435/091.330; 424/186.100; 424/208.100  
IC [7]  
ICM: C12P019-34  
ICS: A61K039-12; A61K039-21

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 180 OF 391 USPATFULL on STN  
AN 2003:37614 USPATFULL  
TI Novel ABCG4 transporter and uses thereof  
IN Chen, Hongyun, Vancouver, CANADA  
Le Bihan, Stephane, Vancouver, CANADA  
PA Active Pass Pharmaceuticals, Inc., Vancouver, CANADA (non-U.S. corporation)  
PI US 2003027259 A1 20030206  
AI US 2002-90455 A1 20020301 (10)  
PRAI US 2001-272886P 20010302 (60)  
US 2001-309262P 20010731 (60)  
US 2001-316339P 20010829 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 4484  
INCL INCLM: 435/069.100  
INCLS: 435/320.100; 435/325.000; 435/006.000; 530/350.000; 536/023.500  
NCL NCLM: 435/069.100  
NCLS: 435/320.100; 435/325.000; 435/006.000; 530/350.000; 536/023.500  
IC [7]  
ICM: C12Q001-68  
ICS: C07H021-04; C12P021-02; C12N005-06

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 181 OF 391 USPATFULL on STN  
AN 2003:37603 USPATFULL  
TI \*\*\*Human\*\*\* cDNAs and proteins and uses thereof  
IN Bejanin, Stephane, Paris, FRANCE  
Tanaka, Hiroaki, Antony, FRANCE  
PA GENSET, S.A., Paris, FRANCE, 75008 (non-U.S. corporation)  
PI US 2003027248 A1 20030206  
AI US 2001-924340 A1 20010806 (9)  
PRAI US 2001-305456P 20010713 (60)  
US 2001-302277P 20010629 (60)  
US 2001-298698P 20010615 (60)  
US 2001-293574P 20010525 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 25650  
INCL INCLM: 435/069.100



INCLS: 435/183.000; 435/320.100; 435/325.000; 530/350.000; 536/023.200;  
435/006.000  
NCL NCLM: 435/069.100  
NCLS: 435/183.000; 435/320.100; 435/325.000; 530/350.000; 536/023.200;  
435/006.000  
IC [7]  
ICM: C12P021-02  
ICS: C12Q001-68; C07H021-04; C12N009-00; C12N005-06  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 182 OF 391 USPATFULL on STN  
AN 2003:37523 USPATFULL  
TI High-throughput transcriptome and functional validation analysis  
IN Gan, Li, San Francisco, CA, UNITED STATES  
Gonzalez-Zulueta, Mirella, Pacifica, CA, UNITED STATES  
Anton, Kristin, San Ramon, CA, UNITED STATES  
Wilson, Richa, San Francisco, CA, UNITED STATES  
Melcher, Thorsten, San Francisco, CA, UNITED STATES  
Chin, Daniel, Foster City, CA, UNITED STATES  
PA AGY Therapeutics, Inc., South San Francisco, CA, UNITED STATES, 94080  
(U.S. corporation)  
PI US 2003027168 A1 20030206  
AI US 2001-27807 A1 20011019 (10)  
RLI Continuation-in-part of Ser. No. US 2000-627362, filed on 28 Jul 2000,  
PENDING  
PRAI US 1999-146640P 19990730 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2696  
INCL INCLM: 435/006.000  
INCLS: 435/091.200  
NCL NCLM: 435/006.000  
NCLS: 435/091.200  
IC [7]  
ICM: C12Q001-68  
ICS: C12P019-34  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 183 OF 391 USPATFULL on STN  
AN 2003:37516 USPATFULL  
TI \*\*\*Human\*\*\* cDNAs and proteins and uses thereof  
IN Bejanin, Stephane, Paris, FRANCE  
Tanaka, Hiroaki, Antony, FRANCE  
PA GENSET, S.A., Paris, FRANCE, 75008 (non-U.S. corporation)  
PI US 2003027161 A1 20030206  
AI US 2001-992600 A1 20011113 (9)  
RLI Division of Ser. No. US 2001-924340, filed on 6 Aug 2001, PENDING  
PRAI WO 2001-IB1715 20010806  
US 2001-305456P 20010713 (60)  
US 2001-302277P 20010629 (60)  
US 2001-298698P 20010615 (60)  
US 2001-293574P 20010525 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 25529  
INCL INCLM: 435/006.000  
INCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 530/350.000;  
536/023.200; 800/008.000  
NCL NCLM: 435/006.000  
NCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 530/350.000;  
536/023.200; 800/008.000  
IC [7]  
ICM: C12Q001-68  
ICS: A01K067-00; C07H021-04; C12N009-00; C12P021-02; C12N005-06  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 184 OF 391 USPATFULL on STN  
AN 2003:37513 USPATFULL  
TI Novel nucleic acid sequences encoding \*\*\*human\*\*\* breast  
tumor-associated protein 47-like polypeptides  
IN Shimkets, Richard A., West Haven, CT, UNITED STATES  
Fernandes, Elma, Branford, CT, UNITED STATES  
Herrman, John, Guilford, CT, UNITED STATES  
Vernet, Corine, Gainesville, FL, UNITED STATES  
PA CuraGen Corporation, New Haven, CT, UNITED STATES, 06511 (U.S.  
corporation)

PI US 2003027158 A1 20030206  
AI US 2001-977418 A1 20011015 (9)  
RLI Continuation of ser. No. US 2000-584411, filed on 31 May 2000, PENDING  
PRAI US 2000-201388P 20000503 (60)  
US 2000-193086P 20000330 (60)  
US 2000-191158P 20000322 (60)  
US 2000-189810P 20000316 (60)  
US 1999-137322P 19990603 (60)

DT Utility  
FS APPLICATION  
LN.CNT 7101

INCL INCLM: 435/006.000  
INCLS: 435/007.230; 435/069.100; 435/325.000; 435/320.100; 536/023.200

NCL NCLM: 435/006.000  
NCLS: 435/007.230; 435/069.100; 435/325.000; 435/320.100; 536/023.200

IC [7]  
ICM: C12Q001-68  
ICS: G01N033-574; C07H021-04; C12P021-02; C12N005-06

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 185 OF 391 USPATFULL on STN

AN 2003:32043 USPATFULL

TI TRANSGENIC C. ELEGANS AS A MODEL ORGANISM FOR INVESTIGATIONS ON  
ALZHEIMER'S DISEASE

IN PERAUS, GISELA, MUNCHEN, GERMANY, FEDERAL REPUBLIC OF  
HOPPE, EDMUND, KRAILING, GERMANY, FEDERAL REPUBLIC OF  
BAUMEISTER, RALF, GROBENZELL, GERMANY, FEDERAL REPUBLIC OF

PI US 2003023997 A1 20030130  
AI US 1999-422569 A1 19991021 (9)  
PRAI DE 1998-19849073 19981024

DT Utility  
FS APPLICATION  
LN.CNT 841

INCL INCLM: 800/013.000  
INCLS: 536/023.500; 435/320.100; 435/325.000; 435/069.100; 435/069.700;  
435/455.000

NCL NCLM: 800/013.000  
NCLS: 536/023.500; 435/320.100; 435/325.000; 435/069.100; 435/069.700;  
435/455.000

IC [7]  
ICM: A01K067-00  
ICS: C07H021-04; C12P021-04; C12N015-00

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 186 OF 391 USPATFULL on STN

AN 2003:30408 USPATFULL

TI Vectors and methods for gene transfer

IN Wickham, Thomas J., Germantown, MD, UNITED STATES  
Kovesdi, Imre, Rockville, MD, UNITED STATES  
Brough, Douglas E., Gaithersburg, MD, UNITED STATES  
GenVec, Inc., Gaithersburg, MD (U.S. corporation)

PA US 2003022355 A1 20030130  
AI US 2001-999724 A1 20011024 (9)

RLI Continuation of ser. No. US 1999-101751, filed on 29 Jan 1999, PENDING A  
371 of International Ser. No. WO 1996-US19150, filed on 27 Nov 1996,  
UNKNOWN Continuation-in-part of Ser. No. US 1995-563368, filed on 28 Nov  
1995, PATENTED Continuation-in-part of Ser. No. US 1996-701124, filed on  
21 Aug 1996, PATENTED Continuation-in-part of Ser. No. US 1996-700846,  
filed on 21 Aug 1996, PATENTED Continuation-in-part of Ser. No. US  
1996-634060, filed on 17 Apr 1996, PATENTED Continuation-in-part of Ser.  
No. US 1994-303162, filed on 8 Sep 1994, PATENTED

DT Utility  
FS APPLICATION  
LN.CNT 3106

INCL INCLM: 435/235.100  
INCLS: 435/456.000

NCL NCLM: 435/235.100  
NCLS: 435/456.000

IC [7]  
ICM: C12N015-861  
ICS: C12N007-00

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 187 OF 391 USPATFULL on STN

AN 2003:30205 USPATFULL

TI Functional screens

IN Thinakaran, Gopal, Chicago, IL, UNITED STATES  
PI US 2003022151 A1 20030130  
AI US 2002-51767 A1 20020117 (10)  
PRAI US 2001-262353P 20010117 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 3900  
INCL INCLM: 435/004.000  
INCLS: 435/006.000; 435/007.200  
NCL NCLM: 435/004.000  
NCLS: 435/006.000; 435/007.200  
IC [7]  
ICM: C12Q001-00  
ICS: C12Q001-68; G01N033-53; G01N033-567  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 188 OF 391 USPATFULL on STN  
AN 2003:26157 USPATFULL  
TI Therapy for \*\*\*human\*\*\* cancers using cisplatin and other drugs or  
genes encapsulated into liposomes  
IN Boulikas, Teni, 249 Matadero Ave., Palo Alto, CA, United States 94306  
PI US 6511676 B1 20030128  
AI US 1999-434345 19991105 (9)  
DT Utility  
FS GRANTED  
LN.CNT 1642  
INCL INCLM: 424/450.000  
INCLS: 264/004.100; 264/004.300  
NCL NCLM: 424/450.000  
NCLS: 264/004.100; 264/004.300  
IC [7]  
ICM: A61K009-127  
EXF 424/450; 264/4.1; 264/4.3  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 189 OF 391 USPATFULL on STN  
AN 2003:18018 USPATFULL  
TI Composition, synthesis and therapeutic applications of polyamines  
IN Murphy, Michael A., La Jolla, CA, UNITED STATES  
Malachowski, Mitchell R., San Diego, CA, UNITED STATES  
PI US 2003013772 A1 20030116  
AI US 2001-17235 A1 20011218 (10)  
RLI Continuation-in-part of Ser. No. US 2000-486310, filed on 23 Feb 2000,  
PENDING A 371 of International Ser. No. WO 1998-US17301, filed on 21 Aug  
1998, UNKNOWN A 371 of International Ser. No. US 1997-915660, filed on  
21 Aug 1997, GRANTED, Pat. No. US 5906996  
DT Utility  
FS APPLICATION  
LN.CNT 3034  
INCL INCLM: 514/674.000  
INCLS: 564/512.000  
NCL NCLM: 514/674.000  
NCLS: 564/512.000  
IC [7]  
ICM: A61K031-13  
ICS: C07C211-14  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 190 OF 391 USPATFULL on STN  
AN 2003:17384 USPATFULL  
TI \*\*\*Human\*\*\* KCR1 regulation of HERG potassium channel block  
IN Balser, Jeffrey R., Brentwood, TN, UNITED STATES  
George, Alfred L., JR., Brentwood, TN, UNITED STATES  
Roden, Dan M., Nashville, TN, UNITED STATES  
PI US 2003013136 A1 20030116  
AI US 2001-151 A1 20011030 (10)  
PRAI US 2000-244340P 20001030 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 5075  
INCL INCLM: 435/007.210  
INCLS: 435/006.000; 435/455.000; 435/325.000  
NCL NCLM: 435/007.210  
NCLS: 435/006.000; 435/455.000; 435/325.000  
IC [7]  
ICM: G01N033-567

ICS: C12Q001-68; C12P021-02; C12N005-06; C12N015-85  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 191 OF 391 USPATFULL on STN  
AN 2003:13325 USPATFULL  
TI Heterocyclic compounds, pharmaceutical compositions comprising same, and methods for inhibiting . \*\*\*beta\*\*\* .- \*\*\*amyloid\*\*\* peptide release and/or its synthesis by use of such compounds  
IN Thorsett, Eugene D., Moss Beach, CA, United States  
Porter, Warren J., Indianapolis, IN, United States  
Nissen, Jeffrey S., Indianapolis, IN, United States  
Latimer, Lee H., Oakland, CA, United States  
Audia, James E., Indianapolis, IN, United States  
Droste, James, Indianapolis, IN, United States  
PA Athena Neurosciences, Inc., South San Francisco, CA, United States (U.S. corporation)  
Eli Lilly Company, Indianapolis, IN, United States (U.S. corporation)  
PI US 6506782 B1 20030114  
AI US 1998-32019 19980227 (9)  
DT Utility  
FS GRANTED  
LN.CNT 9870  
INCL INCLM: 514/364.000  
NCL NCLM: 514/364.000  
IC [7]  
ICM: A61K031-4245  
EXF 514/364  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 192 OF 391 USPATFULL on STN  
AN 2003:11397 USPATFULL  
TI In vivo multiphoton diagnostic detection and imaging of a neurodegenerative disease  
IN Hyman, Bradley T., Charlestown, MA, UNITED STATES  
Christie, Richard, New York, NY, UNITED STATES  
Bacsikai, Brian, Charlestown, MA, UNITED STATES  
Webb, Watt W., Ithaca, NY, UNITED STATES  
Zipfel, Warren R., Ithaca, NY, UNITED STATES  
PI US 2003009104 A1 20030109  
AI US 2001-1643 A1 20011031 (10)  
PRAI US 2000-245306P 20001102 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1919  
INCL INCLM: 600/476.000  
NCL NCLM: 600/476.000  
IC [7]  
ICM: A61B006-00

L4 ANSWER 193 OF 391 USPATFULL on STN  
AN 2003:6903 USPATFULL  
TI Amino lactam sulfonamides as inhibitors of A.beta. protein production  
IN Thompson, Lorin Andrew, Wilmington, DE, United States  
Han, Amy Qi, Hockessin, DE, United States  
PA Bristol Myers Squibb Pharma Company, United States (U.S. corporation)  
PI US 6503901 B1 20030107  
AI US 2000-684718 20001007 (9)  
PRAI US 1999-158565P 19991008 (60)  
DT Utility  
FS GRANTED  
LN.CNT 5315  
INCL INCLM: 514/221.000  
INCLS: 540/509.000  
NCL NCLM: 514/221.000  
NCLS: 540/509.000  
IC [7]  
ICM: C07D413-12  
ICS: C07D409-12; C07D401-12; A61K031-55; A61P025-28  
EXF 540/509; 514/221  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 194 OF 391 USPATFULL on STN  
AN 2003:4108 USPATFULL  
TI 5-beta-sapogenin and pseudosapogenin derivatives and their use in the treatment of dementia  
IN Barraclough, Paul, Maidstone, UNITED KINGDOM

Hanson, Jim, West Sussex, UNITED KINGDOM  
Gunning, Phil, Cambs, UNITED KINGDOM  
Rees, Daryl, Sandy, UNITED KINGDOM  
Xia, Zongqin, Shanghai, CHINA  
Hu, Yaer, Shanghai, CHINA  
PI US 2003004147 A1 20030102  
AI US 2002-109095 A1 20020328 (10)  
RLI Continuation-in-part of Ser. No. WO 2000-GB37367, filed on 29 Sep 2000,  
UNKNOWN  
PRAI GB 1999-23076 19990929  
DT Utility  
FS APPLICATION  
LN.CNT 1261  
INCL INCLM: 514/172.000  
INCLS: 514/173.000  
NCL NCLM: 514/172.000  
NCLS: 514/173.000  
IC [7]  
ICM: A61K031-58  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 195 OF 391 USPATFULL on STN  
AN 2003:4068 USPATFULL  
TI Method of preventing cell death using segments of neural thread proteins  
IN Averback, Paul A., Beaconsfield, CANADA  
PI US 2003004107 A1 20030102  
AI US 2002-146130 A1 20020516 (10)  
PRAI US 2001-290971P 20010516 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1698  
INCL INCLM: 514/012.000  
INCLS: 514/013.000; 514/014.000; 514/015.000; 514/016.000  
NCL NCLM: 514/012.000  
NCLS: 514/013.000; 514/014.000; 514/015.000; 514/016.000  
IC [7]  
ICM: A61K038-17  
ICS: A61K038-10; A61K038-08  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 196 OF 391 USPATFULL on STN  
AN 2003:3520 USPATFULL  
TI 90 \*\*\*human\*\*\* secreted proteins  
IN Ruben, Steven M., Olney, MD, UNITED STATES  
Soppet, Daniel R., Centreville, VA, UNITED STATES  
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES  
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES  
Young, Paul E., Gaithersburg, MD, UNITED STATES  
Greene, John M., Gaithersburg, MD, UNITED STATES  
Ferrie, Ann M., Tewksbury, MA, UNITED STATES  
Yu, Guo-Liang, Berkeley, CA, UNITED STATES  
Ni, Jian, Rockville, MD, UNITED STATES  
Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Brewer, Laurie A., St. Paul, MN, UNITED STATES  
Janat, Fouad, Westerly, RI, UNITED STATES  
PI US 2003003555 A1 20030102  
AI US 2001-774639 A1 20010201 (9)  
RLI Continuation of Ser. No. US 1999-244112, filed on 4 Feb 1999, ABANDONED  
Continuation-in-part of Ser. No. WO 1998-US16235, filed on 4 Aug 1998,  
UNKNOWN  
PRAI US 1997-55386P 19970805 (60)  
US 1997-54807P 19970805 (60)  
US 1997-55312P 19970805 (60)  
US 1997-55309P 19970805 (60)  
US 1997-54798P 19970805 (60)  
US 1997-55310P 19970805 (60)  
US 1997-54806P 19970805 (60)  
US 1997-54809P 19970805 (60)  
US 1997-54804P 19970805 (60)  
US 1997-54803P 19970805 (60)  
US 1997-54808P 19970805 (60)  
US 1997-55311P 19970805 (60)  
US 1997-55986P 19970818 (60)  
US 1997-55970P 19970818 (60)  
US 1997-56563P 19970819 (60)  
US 1997-56553P 19970819 (60)

US 1997-56731P 19970819 (60)  
 US 1997-56365P 19970819 (60)  
 US 1997-56367P 19970819 (60)  
 US 1997-56370P 19970819 (60)  
 US 1997-56364P 19970819 (60)  
 US 1997-56366P 19970819 (60)  
 US 1997-56732P 19970819 (60)  
 US 1997-56371P 19970819 (60)  
 DT Utility  
 FS APPLICATION  
 LN.CNT 15472  
 INCL INCLM: 435/183.000  
 INCLS: 435/006.000; 435/069.100; 435/325.000; 435/320.100; 530/388.100;  
 536/023.200  
 NCL NCLM: 435/183.000  
 NCLS: 435/006.000; 435/069.100; 435/325.000; 435/320.100; 530/388.100;  
 536/023.200  
 IC [7]  
 ICM: C12Q001-68  
 ICS: C07H021-04; C12N009-00; C12N005-06; C07K016-40; C12P021-02  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 L4 ANSWER 197 OF 391 USPATFULL on STN  
 AN 2003:3410 USPATFULL  
 TI Method of preventing cell death using \*\*\*antibodies\*\*\* to neural  
 thread proteins  
 IN Averback, Paul A., Quebec, CANADA  
 PI US 2003003445 A1 20030102  
 AI US 2002-138516 A1 20020506 (10)  
 PRAI US 2001-288463P 20010504 (60)  
 DT Utility  
 FS APPLICATION  
 LN.CNT 1705  
 INCL INCLM: 435/005.000  
 INCLS: 435/069.100; 435/345.000; 435/007.100  
 NCL NCLM: 435/005.000  
 NCLS: 435/069.100; 435/345.000; 435/007.100  
 IC [7]  
 ICM: C12Q001-70  
 ICS: G01N033-53; C12P021-06; C12N005-06; C12N005-16  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 L4 ANSWER 198 OF 391 USPATFULL on STN  
 AN 2002:346816 USPATFULL  
 TI Aspartyl protease 2 (Asp2) antisense oligonucleotides  
 IN Gurney, Mark E., Grand Rapids, MI, United States  
 Bienkowski, Michael J., Portage, MI, United States  
 Henrikson, Robert L., Plainwell, MI, United States  
 Parodi, Luis A., Stockholm, SWEDEN  
 Yan, Riqiang, Kalamazoo, MI, United States  
 PA Pharmacia & Upjohn Company, Kalamazoo, MI, United States (U.S.  
 corporation)  
 PI US 6500667 B1 20021231  
 AI US 2000-551853 20000418 (9)  
 RLI Division of Ser. No. US 1999-416901, filed on 13 Oct 1999  
 Continuation-in-part of Ser. No. US 1999-404133, filed on 23 Sep 1999  
 Continuation-in-part of Ser. No. WO 1999-US20881, filed on 23 Sep 1999  
 PRAI US 1998-101594P 19980924 (60)  
 US 1999-155493P 19990923 (60)  
 DT Utility  
 FS GRANTED  
 LN.CNT 5638  
 INCL INCLM: 435/375.000  
 INCLS: 536/023.100; 536/024.100; 536/024.500; 514/044.000  
 NCL NCLM: 435/375.000  
 NCLS: 514/044.000; 536/023.100; 536/024.100; 536/024.500  
 IC [7]  
 ICM: C12N005-00  
 EXF 536/23.1; 536/24.1; 536/24.5; 514/44  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 L4 ANSWER 199 OF 391 USPATFULL on STN  
 AN 2002:343880 USPATFULL  
 TI Compositions and methods for monitoring the modification of modification  
 dependent binding partner polypeptides  
 IN Craig, Roger, Seattle, UNITED STATES

PI US 2002197606 A1 20021226  
AI US 2001-770102 A1 20010125 (9)  
PRAI US 2000-179283P 20000131 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 3550  
INCL INCLM: 435/006.000  
NCL NCLM: 435/006.000  
IC [7]  
ICM: C12Q001-68

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 200 OF 391 USPATFULL on STN  
AN 2002:339256 USPATFULL  
TI Transgenic knockouts of BACE-1  
IN McConlogue, Lisa, Burlingame, CA, UNITED STATES  
Gurney, Mark E., Reykjavik, ICELAND  
PA Elan Pharmaceuticals, Inc., South San Francisco, CA, UNITED STATES,  
94080 (U.S. corporation)

PI US 2002194632 A1 20021219  
AI US 2002-82804 A1 20020222 (10)  
PRAI US 2001-271092P 20010223 (60)  
US 2001-271514P 20010226 (60)  
US 2001-293762P 20010525 (60)

DT Utility  
FS APPLICATION  
LN.CNT 1051  
INCL INCLM: 800/012.000  
INCLS: 800/018.000  
NCL NCLM: 800/012.000  
NCLS: 800/018.000  
IC [7]  
ICM: A01K067-027

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 201 OF 391 USPATFULL on STN  
AN 2002:337952 USPATFULL  
TI Steroidal sapogenins and their derivatives for treating alzheimer's  
disease  
IN Xia, Zongqin, Shanghai, CHINA  
Hu, Yaer, Shanghai, CHINA  
Rubin, Ian, Nottingham, UNITED KINGDOM  
Brostoff, Jonathan, London, UNITED KINGDOM  
Whittle, Brian, East Yorkshire, UNITED KINGDOM  
Wang, Weijun, Huntingdon, UNITED KINGDOM  
Gunning, Phil, Grantchester, UNITED KINGDOM

PI US 2002193317 A1 20021219  
AI US 2002-77493 A1 20020215 (10)  
RLI Continuation of Ser. No. US 2001-647110, filed on 11 Jan 2001, ABANDONED  
PRAI GB 1998-6513 19980326  
GB 1999-5275 19990308

DT Utility  
FS APPLICATION  
LN.CNT 885  
INCL INCLM: 514/026.000  
INCLS: 514/033.000  
NCL NCLM: 514/026.000  
NCLS: 514/033.000  
IC [7]  
ICM: A61K031-704

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 202 OF 391 USPATFULL on STN  
AN 2002:337363 USPATFULL  
TI Modular molecular clasps and uses thereof  
IN Rizzuto, Carlo Dante, Cambridge, MA, UNITED STATES  
Afeyan, Noubar Boghos, Lexington, MA, UNITED STATES  
Lee, Frank Don, Chestnut Hill, MA, UNITED STATES  
Church, George McDonald, Brookline, MA, UNITED STATES  
Gupta, Ruchira Das, Jamaica Plain, MA, UNITED STATES  
Schwartz, John Jacob, Newtonville, MA, UNITED STATES  
Zhang, Bin, Belmont, CA, UNITED STATES  
Lugovskoy, Alexey Alexandrovich, Brighton, MA, UNITED STATES  
PA engeneOS, Inc., Waltham, MA (U.S. corporation)  
PI US 2002192721 A1 20021219  
AI US 2001-005847 A1 20011222 (60)

PRAI US 2001-279524P 20010328 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2440  
INCL INCLM: 435/007.900  
INCLS: 435/287.200  
NCL NCLM: 435/007.900  
NCLS: 435/287.200  
IC [7]  
ICM: G01N033-53  
ICS: G01N033-542; C12M001-34  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 203 OF 391 USPATFULL on STN  
AN 2002:330416 USPATFULL  
TI CHIMERIC DNA-BINDING/DNA METHYLTRANSFERASE NUCLEIC ACID AND POLYPEPTIDE  
AND USES THEREOF  
IN BESTOR, TIMOTHY H., NEW YORK, NY, UNITED STATES  
PI US 2002188103 A1 20021212  
AI US 1998-51013 A1 19981009 (9)  
WO 1996-US15576 19960927  
DT Utility  
FS APPLICATION  
LN.CNT 2050  
INCL INCLM: 530/350.000  
INCLS: 435/320.100; 435/325.000; 435/455.000; 435/456.000; 435/458.000;  
435/459.000; 435/461.000; 424/093.200; 514/044.000; 536/023.100;  
536/023.200; 536/023.500; 800/013.000  
NCL NCLM: 530/350.000  
NCLS: 435/320.100; 435/325.000; 435/455.000; 435/456.000; 435/458.000;  
435/459.000; 435/461.000; 424/093.200; 514/044.000; 536/023.100;  
536/023.200; 536/023.500; 800/013.000  
IC [7]  
ICM: C07K001-00  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 204 OF 391 USPATFULL on STN  
AN 2002:330327 USPATFULL  
TI Method for treating Alzheimer's disease  
IN Bisgaier, Charles Larry, Ann Arbor, MI, UNITED STATES  
Emmerling, Mark Richard, Chelsea, MI, UNITED STATES  
PI US 2002188012 A1 20021212  
AI US 2002-71663 A1 20020208 (10)  
RLI Continuation of Ser. No. US 2000-554994, filed on 23 May 2000, ABANDONED  
A 371 of International Ser. No. WO 1998-US25495, filed on 2 Dec 1998,  
UNKNOWN  
PRAI US 1998-72912P 19980128 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 822  
INCL INCLM: 514/356.000  
INCLS: 514/369.000; 514/381.000; 514/560.000; 514/572.000; 514/574.000  
NCL NCLM: 514/356.000  
NCLS: 514/369.000; 514/381.000; 514/560.000; 514/572.000; 514/574.000  
IC [7]  
ICM: A61K031-455  
ICS: A61K031-426; A61K031-41; A61K031-202; A61K031-19  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 205 OF 391 USPATFULL on STN  
AN 2002:330245 USPATFULL  
TI Phosphinylmethyl and phosphorylmethyl succinic and glutauric acid  
analogues as B-secretase inhibitors  
IN Qiao, Lixin, Arlington, VA, UNITED STATES  
Etcheberrigaray, Rene, Columbia, MD, UNITED STATES  
PI US 2002187928 A1 20021212  
US 6562783 B2 20030513  
AI US 2001-866764 A1 20010530 (9)  
DT Utility  
FS APPLICATION  
LN.CNT 824  
INCL INCLM: 514/007.000  
INCLS: 514/080.000; 514/081.000; 514/120.000; 530/331.000; 544/243.000;  
544/244.000; 546/021.000; 562/011.000; 562/024.000; 562/012.000  
NCL NCLM: 514/007.000  
NCLS: 514/080.000; 514/081.000; 514/120.000; 530/331.000; 544/243.000;  
544/244.000; 546/021.000; 562/011.000; 562/024.000; 562/012.000



IC [7]  
ICM: A61K038-06  
ICS: C07F009-28; A61K031-675; C07F009-6512  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 206 OF 391 USPATFULL on STN  
AN 2002:323128 USPATFULL  
TI Sapogenin derivatives and their use in the treatment of cognitive dysfunction  
IN Barraclough, Paul, Maidstone, UNITED KINGDOM  
Hanson, Jim, Steyning, UNITED KINGDOM  
Gunning, Phil, Grantchester, UNITED KINGDOM  
Rees, Daryl, Sandy, UNITED KINGDOM  
Xia, Zongqin, Shanghai, CHINA  
Hu, Yaer, Shanghai, CHINA  
PI US 2002183294 A1 20021205  
AI US 2002-109204 A1 20020328 (10)  
RLI Continuation-in-part of Ser. No. WO 2000-GB3745, filed on 29 Sep 2000, UNKNOWN  
PRAI GB 1999-23077 19990929  
DT Utility  
FS APPLICATION  
LN.CNT 1039  
INCL INCLM: 514/172.000  
INCLS: 514/178.000  
NCL NCLM: 514/172.000  
NCLS: 514/178.000  
IC [7]  
ICM: A61K031-58  
ICS: A61K031-56  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 207 OF 391 USPATFULL on STN  
AN 2002:314710 USPATFULL  
TI \*\*\*HUMAN\*\*\* SEL-10 POLYPEPTIDES AND POLYNUCLEOTIDES THAT ENCODE THEM  
IN GURNEY, MARK E., GRAND RAPIDS, MI, UNITED STATES  
PAULEY, ADELE M., PLAINWELL, MI, UNITED STATES  
LI, JINHE, KALAMAZOO, MI, UNITED STATES  
PI US 2002177187 A1 20021128  
AI US 1999-328877 A1 19990609 (9)  
PRAI US 1997-68243P 19971219 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2859  
INCL INCLM: 435/069.100  
INCLS: 435/320.100; 435/325.000; 530/350.000; 424/130.100; 435/007.100  
NCL NCLM: 435/069.100  
NCLS: 435/320.100; 435/325.000; 530/350.000; 424/130.100; 435/007.100  
IC [7]  
ICM: C07K017-00  
ICS: C07K014-00; C07K001-00; C12N005-02; C12N005-00; C12N015-74; C12N015-70; C12N015-63; C12N015-09; C12N015-00; A61K039-395; C12P021-06; G01N033-53  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 208 OF 391 USPATFULL on STN  
AN 2002:314672 USPATFULL  
TI Systems and methods for automated analysis of cells and tissues  
IN Rimm, David L., Branford, CT, UNITED STATES  
Camp, Robert L., Stamford, CT, UNITED STATES  
PI US 2002177149 A1 20021128  
AI US 2002-62308 A1 20020201 (10)  
PRAI US 2001-334723P 20011031 (60)  
US 2001-285155P 20010420 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1254  
INCL INCLM: 435/006.000  
INCLS: 435/007.200; 702/019.000; 702/020.000; 382/128.000  
NCL NCLM: 435/006.000  
NCLS: 435/007.200; 702/019.000; 702/020.000; 382/128.000  
IC [7]  
ICM: C12Q001-68  
ICS: G01N033-53; G01N033-567; G06F019-00; G01N033-48; G01N033-50; G06K009-00  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 209 OF 391 USPATFULL on STN  
 AN 2002:311059 USPATFULL  
 TI Biological reagents and methods for determining the mechanism in the generation of . \*\*\*beta\*\*\* .- \*\*\*amyloid\*\*\* peptide  
 IN Audia, James E., Indianapolis, IN, United States  
 Hyslop, Paul A., Indianapolis, IN, United States  
 Nissen, Jeffrey S., Indianapolis, IN, United States  
 Thompson, Richard C., Frankfort, IN, United States  
 Tung, Jay S., Belmont, CA, United States  
 Tanner, Laura I., San Francisco, CA, United States  
 PA Elan Pharmaceuticals Inc., So. San Francisco, CA, United States (U.S. corporation)  
 Eli Lilly & Company, Indianapolis, IN, United States (U.S. corporation)  
 PI US 6486350 B1 20021126  
 AI US 1999-408283 19990929 (9)  
 PRAI US 1998-160082P 19980930 (60)  
 DT Utility  
 FS GRANTED  
 LN.CNT 2017  
 INCL INCLM: 564/153.000  
 INCLS: 560/025.000; 560/027.000; 560/029.000; 540/522.000  
 NCL NCLM: 564/153.000  
 NCLS: 540/522.000; 560/025.000; 560/027.000; 560/029.000  
 IC [7]  
 ICM: C07C233-05  
 EXF 564/153; 560/25; 560/27; 560/29; 540/522  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 210 OF 391 USPATFULL on STN  
 AN 2002:311025 USPATFULL  
 TI Interleukin-20  
 IN Ebner, Reinhard, Gaithersburg, MD, United States  
 Murphy, Marianne, Richmond, UNITED KINGDOM  
 Ruben, Steven M., Olney, MD, United States  
 Hu, Jing-Shan, Sunnyvale, CA, United States  
 Duan, D. Roxanne, Bethesda, MD, United States  
 Florence, Kimberly A., Rockville, MD, United States  
 Rosen, Craig A., Laytonsville, MD, United States  
 PA Human Genome Sciences, Inc., Rockville, MD, United States (U.S. corporation)  
 PI US 6486301 B1 20021126  
 AI US 1999-231788 19990115 (9)  
 RLI Continuation-in-part of Ser. No. US 1998-115832, filed on 15 Jul 1998  
 PRAI US 1997-52870P 19970716 (60)  
 US 1997-60140P 19970926 (60)  
 US 1997-55952P 19970818 (60)  
 DT Utility  
 FS GRANTED  
 LN.CNT 5643  
 INCL INCLM: 530/351.000  
 INCLS: 424/085.100  
 NCL NCLM: 530/351.000  
 NCLS: 424/085.100  
 IC [7]  
 ICM: C07K014-475  
 ICS: A61K038-19  
 EXF 530/351; 424/85.1  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 211 OF 391 USPATFULL on STN  
 AN 2002:310800 USPATFULL  
 TI Testis-specific \*\*\*human\*\*\* SVPH1-8 proteinase  
 IN Cerretti, Douglas P., Seattle, WA, United States  
 PA Immunex Corporation, Seattle, WA, United States (U.S. corporation)  
 PI US 6485956 B1 20021126  
 AI US 2000-617145 20000714 (9)  
 DT Utility  
 FS GRANTED  
 LN.CNT 2072  
 INCL INCLM: 435/219.000  
 INCLS: 435/069.100; 435/183.000; 435/218.000  
 NCL NCLM: 435/219.000  
 NCLS: 435/069.100; 435/183.000; 435/218.000  
 IC [7]  
 ICM: C12P021 06

ICS: C12N009-00; C12N009-66; C12N009-50  
EXF 435/69.1; 435/183; 435/212; 435/219  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 212 OF 391 USPATFULL on STN  
AN 2002:310766 USPATFULL  
TI Methods for determining risk of developing alzheimer's disease by  
detecting mutations in the presenilin 2 (PS-2) gene  
IN St. George-Hyslop, Peter H., Toronto, CANADA  
Rommens, Johanna M., Toronto, CANADA  
Fraser, Paul E., Toronto, CANADA  
PA HSC Research and Development Limited Partnership, CANADA (non-U.S.  
corporation)  
The Governing Council of the University of Toronto, CANADA (non-U.S.  
corporation)  
PI US 6485911 B1 20021126  
AI US 2000-636796 20000811 (9)  
RLI Division of Ser. No. US 1998-127480, filed on 31 Jul 1998, now patented,  
Pat. No. US 6194153 Division of Ser. No. US 1996-592541, filed on 26 Jan  
1996, now patented, Pat. No. US 5986054 Continuation-in-part of Ser. No.  
US 1995-509359, filed on 31 Jul 1995, now abandoned Continuation-in-part  
of Ser. No. US 1995-496841, filed on 28 Jun 1995, now patented, Pat. No.  
US 6210919 Continuation-in-part of Ser. No. US 1995-431048, filed on 28  
Apr 1995  
DT Utility  
FS GRANTED  
LN.CNT 6790  
INCL INCLM: 435/006.000  
INCLS: 435/091.200; 435/091.210; 435/091.510; 536/023.500; 536/024.310;  
536/024.330  
NCL NCLM: 435/006.000  
NCLS: 435/091.200; 435/091.210; 435/091.510; 536/023.500; 536/024.310;  
536/024.330  
IC [7]  
ICM: C12Q001-68  
EXF 435/6; 435/91.2; 435/91.21; 435/91.51; 536/24.31; 536/24.33; 536/23.5  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 213 OF 391 USPATFULL on STN  
AN 2002:309311 USPATFULL  
TI Identification of genes involved in alzheimer's disease using drosophila  
melanogaster  
IN Cohen, Dalia, Livingston, NJ, UNITED STATES  
Dengler, Uwe Jochen, Loerrach, GERMANY, FEDERAL REPUBLIC OF  
Finelli, Alyce Lynn, Parsippany, NJ, UNITED STATES  
Freuler, Felix, Riehen, SWITZERLAND  
Konsolaki, Mary, Westfield, NJ, UNITED STATES  
Reinhardt, Mischa Werner Henri Marie, Bantzenheim, FRANCE  
Zusman, Susan, Sudbury, MA, UNITED STATES  
PI US 2002174446 A1 20021121  
AI US 2001-964899 A1 20010927 (9)  
PRAI US 2000-236893P 20000929 (60)  
US 2001-298309P 20010614 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 5722  
INCL INCLM: 800/008.000  
INCLS: 514/001.000  
NCL NCLM: 800/008.000  
NCLS: 514/001.000  
IC [7]  
ICM: A01K067-033  
ICS: A61K031-00  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 214 OF 391 USPATFULL on STN  
AN 2002:307925 USPATFULL  
TI Controlling protein levels in eucaryotic organisms  
IN Kenten, John H., Boyds, MD, UNITED STATES  
Roberts, Steven F., Bethesda, MD, UNITED STATES  
PA Proteinix, Inc. (U.S. corporation)  
PI US 2002173049 A1 20021121  
US 6559280 B2 20030506  
AI US 2001-880132 A1 20010614 (9)  
RLI Division of Ser. No. US 1999-406781, filed on 28 Sep 1999, PATENTED  
PRAT US 1999-1108512 19990212 (60)

DT Utility  
FS APPLICATION  
LN.CNT 3227  
INCL INCLM: 436/501.000  
INCLS: 435/041.000; 435/106.000; 435/004.000; 435/007.720; 514/002.000;  
530/300.000; 530/350.000; 930/020.000; 424/094.100  
NCL NCLM: 530/323.000  
NCLS: 424/070.140; 435/004.000; 435/106.000; 435/108.000; 435/109.000;  
435/115.000; 435/116.000; 436/501.000; 530/329.000; 530/330.000;  
530/331.000; 530/332.000  
IC [7]  
ICM: A01N037-18  
ICS: C12Q001-00; C12P001-00; C12P013-04; C07K004-00; C07K007-00;  
C07K016-00; C07K001-00; A61K038-00; G01N033-53; A61K038-43; C07K002-00;  
C07K005-00; C07K014-00; C07K017-00; G01N033-566  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 215 OF 391 USPATFULL on STN  
AN 2002:307880 USPATFULL  
TI Novel ABCA6 transporter and uses thereof  
IN Chen, Hongyun, Vancouver, CANADA  
Le Bihan, Stephane, Vancouver, CANADA  
Kulhanek, Barbara, Surrey, CANADA  
PA Active Pass Pharmaceuticals, Inc., Vancouver, CANADA, VSZ 4H5 (non-U.S.  
corporation)  
PI US 2002173004 A1 20021121  
AI US 2002-90453 A1 20020304 (10)  
PRAI US 2001-273650P 20010305 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 3798  
INCL INCLM: 435/069.100  
INCLS: 435/320.100; 435/325.000; 530/350.000; 536/023.200; 536/024.300  
NCL NCLM: 435/069.100  
NCLS: 435/320.100; 435/325.000; 530/350.000; 536/023.200; 536/024.300  
IC [7]  
ICM: C12P021-02  
ICS: C12N005-06; C07K014-435; C07H021-04  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 216 OF 391 USPATFULL on STN  
AN 2002:307870 USPATFULL  
TI 28 \*\*\*human\*\*\* secreted proteins  
IN Ruben, Steven M., Olney, MD, UNITED STATES  
Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Li, Yi, Sunnyvale, CA, UNITED STATES  
Zeng, Zhizhen, Lansdale, PA, UNITED STATES  
Kyaw, Hla, Frederick, MD, UNITED STATES  
Fischer, Carrie L., Burke, VA, UNITED STATES  
Li, Haodong, Gaithersburg, MD, UNITED STATES  
Soppet, Daniel R., Centreville, VA, UNITED STATES  
Gentz, Reiner L., Rockville, MD, UNITED STATES  
Wei, Ying-Fei, Berkeley, CA, UNITED STATES  
Moore, Paul A., Germantown, MD, UNITED STATES  
Young, Paul E., Gaithersburg, MD, UNITED STATES  
Greene, John M., Gaithersburg, MD, UNITED STATES  
Ferrie, Ann M., Tewksbury, MA, UNITED STATES  
PI US 2002172994 A1 20021121  
AI US 2001-852797 A1 20010511 (9)  
RLI Continuation-in-part of Ser. No. US 1998-152060, filed on 11 Sep 1998,  
PENDING Continuation-in-part of Ser. No. WO 1998-US4858, filed on 12 Mar  
1998, UNKNOWN  
PRAI US 2001-265583P 20010202 (60)  
US 1997-40762P 19970314 (60)  
US 1997-40710P 19970314 (60)  
US 1997-50934P 19970530 (60)  
US 1997-48100P 19970530 (60)  
US 1997-48357P 19970530 (60)  
US 1997-48189P 19970530 (60)  
US 1997-57765P 19970905 (60)  
US 1997-48970P 19970606 (60)  
US 1997-68368P 19971219 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 17794  
INCL INCLM: 435/069.100

NCL INCLS: 435/226.000; 435/325.000; 435/320.100; 536/023.200  
NCLM: 435/069.100  
NCLS: 435/226.000; 435/325.000; 435/320.100; 536/023.200  
IC [7]  
ICM: C12P021-02  
ICS: C12N005-06; C07H021-04; C12N009-64  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 217 OF 391 USPATFULL on STN  
AN 2002:303718 USPATFULL  
TI Methods of reducing bone loss with CD40 ligand  
IN Ahuja, Seema A., San Antonio, TX, United States  
Bonewald, Lynda F., San Antonio, TX, United States  
PA Board of Regents, The University of Texas System, Austin, TX, United States (U.S. corporation)  
PI US 6482411 B1 20021119  
AI US 2000-645926 20000824 (9)  
PRAI US 1999-151250P 19990827 (60)  
DT Utility  
FS GRANTED  
LN.CNT 5120  
INCL INCLM: 424/185.100  
INCLS: 424/085.100; 424/184.100; 424/192.100; 424/178.100; 514/002.000; 514/008.000; 514/012.000; 514/885.000; 530/350.000; 530/351.000  
NCL NCLM: 424/185.100  
NCLS: 424/085.100; 424/178.100; 424/184.100; 424/192.100; 514/002.000; 514/008.000; 514/012.000; 514/885.000; 530/350.000; 530/351.000  
IC [7]  
ICM: A61K038-17  
ICS: A61K038-19; C07K014-435; C07K014-52  
EXF 424/85.1; 424/185.1; 424/278.1; 514/2; 514/8; 530/350  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 218 OF 391 USPATFULL on STN  
AN 2002:301592 USPATFULL  
TI Regulation of amyloid precursor protein expression by modification of ABC transporter expression or activity  
IN Reiner, Peter B., Vancouver, CANADA  
Connop, Bruce P., Vancouver, CANADA  
Pollard, Michelle, Vancouver, CANADA  
PA Active Pass Pharmaceuticals, Inc., Vancouver, CANADA, V5Z 4H5 (non-U.S. corporation)  
PI US 2002169137 A1 20021114  
AI US 2002-72621 A1 20020208 (10)  
PRAI US 2001-267975P 20010209 (60)  
US 2001-309256P 20010731 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 3827  
INCL INCLM: 514/044.000  
INCLS: 514/002.000  
NCL NCLM: 514/044.000  
NCLS: 514/002.000  
IC [7]  
ICM: A61K048-00  
ICS: A61K038-17  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 219 OF 391 USPATFULL on STN  
AN 2002:301144 USPATFULL  
TI Inhibition of tau-tau-association  
IN Wischik, Claude Michel, Cambridge, UNITED KINGDOM  
Edwards, Patricia Carol, Cambridge, UNITED KINGDOM  
Harrington, Charles Robert, Cambridge, UNITED KINGDOM  
Roth, Martin, Cambridge, UNITED KINGDOM  
Klug, Aaron, Cambridge, UNITED KINGDOM  
PA University Court of the University of Aberdeen, Aberdeen, UNITED KINGDOM (3)  
PI US 2002168687 A1 20021114  
AI US 2002-107181 A1 20020328 (10)  
RLI Division of Ser. No. US 1997-913915, filed on 12 Dec 1997, GRANTED, Pat. No. US 6376205 A 371 of International Ser. No. WO 1996-EP1307, filed on 25 Mar 1996, UNKNOWN  
PRAI GB 1995-6197 19950327  
DT Utility  
FS APPLICATION

LN.CNT 2030  
INCL INCLM: 435/007.100  
NCL NCLM: 435/007.100  
IC [7]  
ICM: G01N033-53  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 220 OF 391 USPATFULL on STN  
AN 2002:300827 USPATFULL  
TI Methods and compositions for treating secondary tissue damage and other inflammatory conditions and disorders  
IN McDonald, John R., Calgary, AB, UNITED STATES  
Coggins, Philip J., Calgary, AB, UNITED STATES  
PI US 2002168370 A1 20021114  
AI US 2001-792793 A1 20010222 (9)  
RLI Division of Ser. No. US 1999-453851, filed on 2 Dec 1999, PENDING  
Division of Ser. No. US 1999-360242, filed on 22 Jul 1999, PENDING  
Continuation of Ser. No. US 1998-120523, filed on 22 Jul 1998, ABANDONED  
PRAI WO 1999-CA659 19990721  
US 1998-155186P 19980722 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 7972  
INCL INCLM: 424/178.100  
INCLS: 514/012.000; 530/389.100; 536/023.530; 435/069.100; 435/320.100;  
435/325.000  
NCL NCLM: 424/178.100  
NCLS: 514/012.000; 530/389.100; 536/023.530; 435/069.100; 435/320.100;  
435/325.000  
IC [7]  
ICM: A61K039-395  
ICS: C07H021-04; C12P021-02; C12N005-06; C07K016-46  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 221 OF 391 USPATFULL on STN  
AN 2002:295299 USPATFULL  
TI Iron regulating protein -2 (IRP-2) as a diagnostic for neurodegenerative disease  
IN Kirsch, Wolff M., Redlands, CA, UNITED STATES  
Lennart, Anto, Loma Linda, CA, UNITED STATES  
Kelln, Wayne J., Loma Linda, CA, UNITED STATES  
Kang, Dae-Kyung, Rockville, MD, UNITED STATES  
Levine, Rodney L., Rockville, MD, UNITED STATES  
Rouault, Tracey A., North Bethesda, MD, UNITED STATES  
PI US 2002165349 A1 20021107  
AI US 2001-924396 A1 20010806 (9)  
PRAI US 2000-222863P 20000804 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 3514  
INCL INCLM: 530/350.000  
INCLS: 536/023.500; 435/006.000; 435/007.100  
NCL NCLM: 530/350.000  
NCLS: 536/023.500; 435/006.000; 435/007.100  
IC [7]  
ICM: C12Q001-68  
ICS: G01N033-53; C07H021-04; C07K014-705  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 222 OF 391 USPATFULL on STN  
AN 2002:294717 USPATFULL  
TI Catalytically active recombinant memapsin and methods of use thereof  
IN Lin, Xinli, Edmond, OK, UNITED STATES  
Koelsch, Gerald, Oklahoma City, OK, UNITED STATES  
Tang, Jordan J.N., Edmond, OK, UNITED STATES  
PA Oklahoma Medical Research Foundation  
PI US 2002164760 A1 20021107  
AI US 2001-795903 A1 20010228 (9)  
RLI Division of Ser. No. US 2000-604608, filed on 27 Jun 2000, PENDING  
PRAI US 1999-141363P 19990628 (60)  
US 1999-168060P 19991130 (60)  
US 2000-177836P 20000125 (60)  
US 2000-178368P 20000127 (60)  
US 2000-210292P 20000608 (60)  
DT Utility  
FS APPLICATION

LN.CNT 2440  
INCL INCLM: 435/220.000  
INCLS: 435/069.100; 435/252.300; 435/320.100  
NCL NCLM: 435/220.000  
NCLS: 435/069.100; 435/252.300; 435/320.100  
IC [7]  
ICM: C12N009-52  
ICS: C12P021-02; C12N001-21  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 223 OF 391 USPATFULL on STN  
AN 2002:294625 USPATFULL  
TI Nucleic acid molecules, polypeptides and uses therefor, including  
diagnosis and treatment of alzheimer's disease  
IN Durham, L. Kathryn, New London, CT, UNITED STATES  
Friedman, David L., Madison, CT, UNITED STATES  
Chandrasiri Herath, Herath Mudiyanseelage Athula, Abingdom, UNITED  
KINGDOM  
Kimmel, Lida H., Chester, CT, UNITED STATES  
Parekh, Rajesh Bhikhu, New Wendlebury, UNITED KINGDOM  
Potter, David M., Ledyard, CT, UNITED STATES  
Rohlf, Christian, Oxford, UNITED KINGDOM  
Silber, B. Michael, Madison, CT, UNITED STATES  
Stiger, Thomas R., Pawcatuck, CT, UNITED STATES  
Sunderland, P. Trey, Chevy Chase, MD, UNITED STATES  
Townsend, Robert Reid, Oxford, UNITED KINGDOM  
White, W. Frost, Ledyard, CT, UNITED STATES  
Williams, Stephen A., Groton, CT, UNITED STATES  
PI US 2002164668 A1 20021107  
AI US 2001-826290 A1 20010403 (9)  
PRAI US 2000-194504P 20000403 (60)  
US 2000-253647P 20001128 (60)

DT Utility  
FS APPLICATION  
LN.CNT 5696  
INCL INCLM: 435/007.920  
INCLS: 435/069.100; 435/325.000; 435/226.000; 536/023.200  
NCL NCLM: 435/007.920  
NCLS: 435/069.100; 435/325.000; 435/226.000; 536/023.200  
IC [7]  
ICM: G01N033-53  
ICS: G01N033-537; G01N033-543; C07H021-04; C12N009-64; C12P021-02;  
C12N005-06

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 224 OF 391 USPATFULL on STN  
AN 2002:291111 USPATFULL  
TI Compounds for inhibiting . \*\*\*beta\*\*\* .- \*\*\*amyloid\*\*\* peptide  
release and/or its synthesis  
IN Wu, Jing, San Mateo, CA, United States  
Tung, Jay S., Belmont, CA, United States  
Thorsett, Eugene D., Moss Beach, CA, United States  
Reel, Jon K., Carmel, IN, United States  
Porter, Warren J., Indianapolis, IN, United States  
Nissen, Jeffrey S., Indianapolis, IN, United States  
Mabry, Thomas E., Indianapolis, IN, United States  
Latimer, Lee H., Oakland, CA, United States  
John, Varghese, San Francisco, CA, United States  
Folmer, Beverly K., Newark, DE, United States  
Droste, James J., Indianapolis, IN, United States  
Britton, Thomas C., Carmel, IN, United States  
Audia, James E., Indianapolis, IN, United States  
PA Elan Pharmaceuticals, Inc., South San Francisco, CA, United States (U.S.  
corporation)  
Eli Lilly Company, Indianapolis, IN, United States (U.S. corporation)  
PI US 6476263 B1 20021105  
AI US 2001-826412 20010403 (9)  
RLI Continuation of Ser. No. US 1998-164448, filed on 30 Sep 1998, now  
patented, Pat. No. US 6211235 Continuation-in-part of Ser. No. US  
1997-976289, filed on 21 Nov 1997, now patented, Pat. No. US 6191166  
PRAI US 1996-108166P 19961122 (60)  
US 1997-64859P 19970228 (60)  
US 1997-108161P 19970228 (60)  
US 1997-98558P 19970228 (60)  
DT Utility  
FS GRANTED

LN.CNT 12409  
INCL INCLM: 564/152.000  
INCLS: 564/153.000; 564/159.000; 564/160.000; 564/161.000; 564/041.000;  
560/041.000; 562/450.000  
NCL NCLM: 564/152.000  
NCLS: 560/041.000; 562/450.000; 564/041.000; 564/153.000; 564/159.000;  
564/160.000; 564/161.000  
IC [7]  
ICM: C07C233-00  
EXF 564/152; 564/153; 564/159; 564/160; 564/161; 560/41; 562/450  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 225 OF 391 USPATFULL on STN  
AN 2002:290742 USPATFULL  
TI 94 \*\*\*Human\*\*\* Secreted Proteins  
IN Ruben, Steven M., Olney, MD, United States  
Ni, Jian, Rockville, MD, United States  
Rosen, Craig A., Laytonsville, MD, United States  
Wei, Ying-Fei, Berkeley, CA, United States  
Young, Paul, Gaithersburg, MD, United States  
Florence, Kimberly, Rockville, MD, United States  
Soppet, Daniel R., Centreville, VA, United States  
Brewer, Laurie A., St. Paul, MN, United States  
Endress, Gregory A., Potomac, MD, United States  
Carter, Kenneth C., Potomac, MD, United States  
Mucenski, Michael, Cincinnati, OH, United States  
Ebner, Reinhard, Gaithersburg, MD, United States  
Lafleur, David W., Washington, DC, United States  
Olsen, Henrik, Gaithersburg, MD, United States  
Shi, Yanggu, Gaithersburg, MD, United States  
Moore, Paul A., Germantown, MD, United States  
Komatsoulis, George, Silver Spring, MD, United States  
PA Human Genome Sciences, Inc., Rockville, MD, United States (U.S.  
corporation)  
PI US 6475753 B1 20021105  
AI US 1999-461325 19991214 (9)  
RLI Continuation-in-part of Ser. No. WO 1999-US13418, filed on 15 Jun 1999  
PRAI US 1998-89507P 19980616 (60)  
US 1998-89508P 19980616 (60)  
US 1998-89509P 19980616 (60)  
US 1998-89510P 19980616 (60)  
US 1998-90112P 19980622 (60)  
US 1998-90113P 19980622 (60)  
DT Utility  
FS GRANTED  
LN.CNT 18031  
INCL INCLM: 435/069.100  
INCLS: 435/069.400; 435/071.100; 435/252.300; 435/032.500; 435/320.100;  
435/471.000; 536/023.500; 530/350.000  
NCL NCLM: 435/069.100  
NCLS: 435/069.400; 435/071.100; 435/252.300; 435/320.100; 435/325.000;  
435/471.000; 530/350.000; 536/023.500  
IC [7]  
ICM: C12P021-02  
ICS: C12N015-12; C12N005-10; C07K014-47  
EXF 435/69.1; 435/69.4; 435/71.1; 435/91.1; 435/252.3; 435/325; 435/320.1;  
435/471; 536/23.5; 530/350  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 226 OF 391 USPATFULL on STN  
AN 2002:290736 USPATFULL  
TI Identification of agents that protect against inflammatory injury to  
neurons  
IN Giulian, Dana, Houston, TX, United States  
PA Baylor College of Medicine, Houston, TX, United States (U.S.  
corporation)  
PI US 6475745 B1 20021105  
AI US 1997-922889 19970903 (8)  
RLI Division of Ser. No. US 1996-717551, filed on 20 Sep 1996  
DT Utility  
FS GRANTED  
LN.CNT 2755  
INCL INCLM: 435/007.200  
INCLS: 530/300.000; 530/350.000; 530/402.000  
NCL NCLM: 435/007.200  
NCLS: 530/300.000; 530/350.000; 530/402.000



IC [7]  
ICM: G01N033-53  
ICS: C07K007-00; C07K004-12  
EXF 435/7.2; 435/7.1; 530/300; 530/350; 530/402; 424/450  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 227 OF 391 USPATFULL on STN  
AN 2002:287562 USPATFULL  
TI Process for differential diagnosis of Alzheimer's dementia and device therefor  
IN Jackowski, George, Kettleby, CANADA  
Takahashi, Miyoko, North York, CANADA  
PI US 2002160425 A1 20021031  
AI US 2001-971740 A1 20011004 (9)  
RLI Continuation of Ser. No. US 2001-842079, filed on 25 Apr 2001, PENDING  
DT Utility  
FS APPLICATION  
LN.CNT 940  
INCL INCLM: 435/007.100  
INCLS: 435/007.200  
NCL NCLM: 435/007.100  
NCLS: 435/007.200  
IC [7]  
ICM: G01N033-53  
ICS: G01N033-567; G01N033-537; G01N033-543  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 228 OF 391 USPATFULL on STN  
AN 2002:273382 USPATFULL  
TI Methods and compositions for the treatment of \*\*\*human\*\*\* immunodeficiency virus infection  
IN Ikezu, Tsuneya, Omaha, NE, UNITED STATES  
Leisman, Gary, Omaha, NE, UNITED STATES  
Carlson, Kimberly A., Omaha, NE, UNITED STATES  
Gendelman, Howard E., Omaha, NE, UNITED STATES  
PI US 2002151510 A1 20021017  
AI US 2001-828648 A1 20010406 (9)  
PRAI US 2000-246331P 20001106 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1948  
INCL INCLM: 514/044.000  
INCLS: 514/012.000; 536/023.720; 435/069.100; 435/325.000; 435/320.100;  
435/219.000; 530/388.260; 424/207.100; 424/208.100  
NCL NCLM: 514/044.000  
NCLS: 514/012.000; 536/023.720; 435/069.100; 435/325.000; 435/320.100;  
435/219.000; 530/388.260; 424/207.100; 424/208.100  
IC [7]  
ICM: A61K038-17  
ICS: C12N009-50; C07H021-02; C12N005-06; C12P021-02; C12N015-867;  
A61K038-00; C07H021-04; A61K031-70; A01N043-04; C12P021-06; A61K039-21;  
C12N015-00; C12N015-09; C12N015-63; C12N015-70; C12N015-74; C12N005-00;  
C12N005-02; C07K016-00; C12P021-08  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 229 OF 391 USPATFULL on STN  
AN 2002:273336 USPATFULL  
TI Methods for preventing neural tissue damage and for the treatment of alpha-synuclein diseases  
IN Wolozin, Benjamin, Hinsdale, IL, UNITED STATES  
Ostretova-Golts, Natalie, Forrest Park, IL, UNITED STATES  
Lebowitz, Michael S., Baltimore, MD, UNITED STATES  
PI US 2002151464 A1 20021017  
AI US 2001-901187 A1 20010709 (9)  
PRAI US 2000-217319P 20000707 (60)  
US 2001-279199P 20010328 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1374  
INCL INCLM: 514/002.000  
INCLS: 435/007.200; 435/025.000  
NCL NCLM: 514/002.000  
NCLS: 435/007.200; 435/025.000  
IC [7]  
ICM: A61K038-16  
ICS: G01N033-53; G01N033-567; C12N001-25

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 230 OF 391 USPATFULL on STN  
AN 2002:272761 USPATFULL  
TI Directed evolution of novel binding proteins  
IN Ladner, Robert Charles, Ijamsville, MD, UNITED STATES  
Guterman, Sonia Kosow, Belmont, MA, UNITED STATES  
Roberts, Bruce Lindsay, Milford, MA, UNITED STATES  
Markland, William, Milford, MA, UNITED STATES  
Ley, Arthur Charles, Newton, MA, UNITED STATES  
Kent, Rachel Baribault, Boxborough, MA, UNITED STATES  
PI US 2002150881 A1 20021017  
AI US 2001-781988 A1 20010214 (9)  
RLI Continuation of Ser. No. US 1998-192067, filed on 16 Nov 1998, ABANDONED  
Continuation of Ser. No. US 1995-415922, filed on 3 Apr 1995, PATENTED  
Continuation of Ser. No. US 1993-9319, filed on 26 Jan 1993, PATENTED  
Division of Ser. No. US 1991-664989, filed on 1 Mar 1991, PATENTED  
Continuation-in-part of Ser. No. US 1990-487063, filed on 2 Mar 1990,  
ABANDONED Continuation-in-part of Ser. No. US 1988-240160, filed on 2  
Sep 1988, ABANDONED  
PRAI WO 1989-US3731 19890901  
DT Utility  
FS APPLICATION  
LN.CNT 15696  
INCL INCLM: 435/005.000  
INCLS: 435/006.000; 435/007.100; 435/235.100  
NCL NCLM: 435/005.000  
NCLS: 435/006.000; 435/007.100; 435/235.100  
IC [7]  
ICM: C12Q001-70  
ICS: C12Q001-68; G01N033-53; C12N007-00

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 231 OF 391 USPATFULL on STN  
AN 2002:268610 USPATFULL  
TI Vectors and methods for gene transfer to cells  
IN Wickham, Thomas J., Falls Church, VA, United States  
Kovesdi, Imre, Rockville, MD, United States  
Brough, Douglas E., Olney, MD, United States  
PA GenVec, Inc., Gaithersburg, MD, United States (U.S. corporation)  
PI US 6465253 B1 20021015  
WO 9720051 19970605  
AI US 1999-101751 19990129 (9)  
WO 1996-US19150 19961127  
19990129 PCT 371 date  
RLI Continuation-in-part of Ser. No. US 1996-700846, filed on 21 Aug 1996,  
now patented, Pat. No. US 5962311 Continuation-in-part of Ser. No. US  
1996-634060, filed on 17 Apr 1996, now patented, Pat. No. US 5712136  
Continuation-in-part of Ser. No. US 1996-701124, filed on 21 Aug 1996,  
now patented, Pat. No. US 5846782 Continuation-in-part of Ser. No. US  
1995-563368, filed on 28 Nov 1995, now patented, Pat. No. US 5965541  
Continuation-in-part of Ser. No. US 634060 Continuation-in-part of Ser.  
No. US 1994-303162, filed on 8 Sep 1994, now patented, Pat. No. US  
5559099  
DT Utility  
FS GRANTED  
LN.CNT 3207  
INCL INCLM: 435/456.000  
INCLS: 435/320.100; 435/325.000; 435/455.000; 530/330.000; 530/329.000;  
530/328.000; 530/327.000; 530/326.000; 530/324.000; 530/350.000  
NCL NCLM: 435/456.000  
NCLS: 435/320.100; 435/325.000; 435/455.000; 530/324.000; 530/326.000;  
530/327.000; 530/328.000; 530/329.000; 530/330.000; 530/350.000  
IC [7]  
ICM: C12N015-861  
ICS: C12N015-63; C12N005-10; C07K007-04; C07K014-075  
EXF 435/69.1; 435/235.1; 435/320.1; 435/325; 435/366; 435/455; 435/456;  
530/350; 530/330; 530/329; 530/328; 530/327; 530/326; 530/324; 424/93.1;  
424/93.2; 424/93.6

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 232 OF 391 USPATFULL on STN  
AN 2002:265967 USPATFULL  
TI Controlling protein levels in eucaryotic organisms  
IN Kenten, John H., Boyds, MD, UNITED STATES  
Roberts, Steven E., Bethesda, MD, UNITED STATES

PA Proteinix, Inc. (U.S. corporation)  
PI US 2002146843 A1 20021010  
AI US 2001-880149 A1 20010614 (9)  
RLI Continuation of Ser. No. US 1999-406781, filed on 28 Sep 1999, GRANTED,  
Pat. No. US 6306663  
PRAI US 1999-119851P 19990212 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 3226  
INCL INCLM: 436/501.000  
INCLS: 424/094.100; 435/106.000; 435/004.000; 435/041.000; 435/007.720;  
514/002.000; 530/300.000; 530/350.000; 930/020.000  
NCL NCLM: 436/501.000  
NCLS: 424/094.100; 435/106.000; 435/004.000; 435/041.000; 435/007.720;  
514/002.000; 530/300.000; 530/350.000; 930/020.000  
IC [7]  
ICM: A01N037-18  
ICS: C12Q001-00; C12P001-00; C12P013-04; C07K004-00; C07K007-00;  
C07K016-00; C07K001-00; A61K038-00; A61K038-43; C07K005-00; C07K017-00;  
G01N033-53; C07K014-00; C07K002-00; G01N033-566  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 233 OF 391 USPATFULL on STN  
AN 2002:265884 USPATFULL  
TI Novel G-protein-coupled receptor-like proteins and polynucleotides  
encoded by them, and methods of using same  
IN Ozenberger, Bradley A., Newtown, PA, UNITED STATES  
Kajkowski, Eileen M., Ringoes, NJ, UNITED STATES  
Lo, Ching-Hsiung Frederick, Pennington, NJ, UNITED STATES  
Walker, Stephen G., East Windsor, NJ, UNITED STATES  
Sofia, Heidi, Walla Walla, WA, UNITED STATES  
PA American Home Products Corporation, Madison, NJ, 07940-0874 (U.S.  
corporation)  
PI US 2002146760 A1 20021010  
AI US 2001-833503 A1 20010412 (9)  
PRAI WO 1999-US21621 19991013  
US 1998-104104P 19981013 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1524  
INCL INCLM: 435/069.100  
INCLS: 435/320.100; 435/325.000; 530/350.000; 536/023.500  
NCL NCLM: 435/069.100  
NCLS: 435/320.100; 435/325.000; 530/350.000; 536/023.500  
IC [7]  
ICM: C12P021-02  
ICS: C12N005-06; C07K014-705; C07H021-04  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 234 OF 391 USPATFULL on STN  
AN 2002:265848 USPATFULL  
TI Biopolymer sequence comparison  
IN Toll, Lawrence R., Redwood City, CA, UNITED STATES  
Lincoln, Patrick Denis, Woodside, CA, UNITED STATES  
Karp, Peter, San Mateo, CA, UNITED STATES  
Sonmez, Kemal, Menlo Park, CA, UNITED STATES  
PI US 2002146724 A1 20021010  
AI US 2001-6492 A1 20011203 (10)  
PRAI US 2000-250743P 20001201 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1796  
INCL INCLM: 435/006.000  
INCLS: 702/020.000  
NCL NCLM: 435/006.000  
NCLS: 702/020.000  
IC [7]  
ICM: C12Q001-68  
ICS: G06F019-00; G01N033-48; G01N033-50

L4 ANSWER 235 OF 391 USPATFULL on STN  
AN 2002:262446 USPATFULL  
TI Peptides and pharmaceutical compositions thereof for treatment of  
disorders or diseases associated with abnormal protein folding into  
amyloid or amyloid-like deposits  
IN Seto-Jana, Claudio, Genoa, ITALY

Baumann, Marc H., Helsinki, FINLAND  
Frangione, Blas, New York, NY, United States  
PA New York University, New York, NY, United States (U.S. corporation)  
PI US 6462171 B1 20021008  
AI US 1996-766596 19961212 (8)  
RLI Continuation-in-part of Ser. No. US 1996-630645, filed on 10 Apr 1996,  
now patented, Pat. No. US 5948763 Continuation-in-part of Ser. No. US  
1995-478326, filed on 7 Jun 1995, now abandoned  
DT Utility  
FS GRANTED  
LN.CNT 1979  
INCL INCLM: 530/326.000  
INCLS: 530/327.000; 530/238.000; 530/329.000; 530/330.000; 514/014.000;  
514/015.000; 514/016.000; 514/017.000; 514/018.000  
NCL NCLM: 530/326.000  
NCLS: 530/327.000; 530/328.000; 530/329.000; 530/330.000  
IC [7]  
ICM: A61K038-00  
ICS: C07K016-00  
EXF 514/2; 514/12; 514/13; 514/14; 514/15; 514/16; 514/17; 514/18; 530/300;  
530/324; 530/325; 530/326; 530/327; 530/328; 530/330; 530/331; 530/350  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 236 OF 391 USPATFULL on STN  
AN 2002:254378 USPATFULL  
TI Lactacystin analogs  
IN Fenteany, Gabriel, Cambridge, MA, United States  
Jamison, Timothy F., Cambridge, MA, United States  
Schreiber, Stuart L., Boston, MA, United States  
Standaert, Robert F., Arlington, MA, United States  
PA President and Fellows of Harvard College, Cambridge, MA, United States  
(U.S. corporation)  
PI US 6458825 B1 20021001  
AI US 2000-639242 20000815 (9)  
RLI Continuation of Ser. No. US 1995-421583, filed on 12 Apr 1995, now  
patented, Pat. No. US 6335358  
DT Utility  
FS GRANTED  
LN.CNT 2298  
INCL INCLM: 514/421.000  
INCLS: 514/444.000; 514/470.000  
NCL NCLM: 514/421.000  
NCLS: 514/444.000; 514/470.000  
IC [7]  
ICM: A61K031-40  
ICS: A61K031-38; A61K031-34  
EXF 514/421; 514/444; 514/470  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 237 OF 391 USPATFULL on STN  
AN 2002:251790 USPATFULL  
TI N-(aryl/heteroarylacetyl) amino acid esters, pharmaceutical compositions  
comprising same, and methods for inhibiting \*\*\*beta\*\*\* -  
\*\*\*amyloid\*\*\* peptide release and/or its synthesis by use of such  
compounds  
IN Wu, Jing, San Mateo, CA, UNITED STATES  
Thorsett, Eugene D., Moss Beach, CA, UNITED STATES  
Nissen, Jeffrey S., Indianapolis, IN, UNITED STATES  
Mabry, Thomas E., Indianapolis, IN, UNITED STATES  
Latimer, Lee H., Oakland, CA, UNITED STATES  
John, Varghese, San Francisco, CA, UNITED STATES  
Fang, Lawrence Y., Foster City, CA, UNITED STATES  
Audia, James E., Indianapolis, IN, UNITED STATES  
PI US 2002137743 A1 20020926  
AI US 2001-984834 A1 20011031 (9)  
RLI Continuation of Ser. No. US 1999-303655, filed on 3 May 1999, PATENTED  
Continuation of Ser. No. US 1997-976179, filed on 21 Nov 1997, PATENTED  
DT Utility  
FS APPLICATION  
LN.CNT 3784  
INCL INCLM: 514/227.500  
INCLS: 514/237.800; 514/252.120; 514/357.000; 514/534.000; 514/561.000;  
544/059.000; 544/159.000; 544/400.000; 546/336.000; 560/041.000;  
560/155.000  
NCL NCLM: 514/227.500  
NCLS: 514/237.800; 514/252.120; 514/357.000; 514/534.000; 514/561.000;

544/059.000; 544/159.000; 544/400.000; 546/336.000; 560/041.000;  
560/155.000

IC [7]

ICM: A61K031-54

ICS: A61K031-535; A61K031-495; A61K031-44; A61K031-198

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 238 OF 391 USPATFULL on STN

AN 2002:251784 USPATFULL

TI Lactams substituted by cyclic succinates as inhibitors of a beta protein production

IN Olson, Richard E., wilmington, DE, UNITED STATES

PI US 2002137737 A1 20020926

US 6509333 B2 20030121

AI US 2001-871840 A1 20010601 (9)

PRAI US 2000-208536P 20000601 (60)

DT Utility

FS APPLICATION

LN.CNT 6581

INCL INCLM: 514/212.030

INCLS: 514/327.000; 514/424.000; 540/527.000; 546/216.000; 548/550.000

NCL NCLM: 514/221.000

NCLS: 540/509.000

IC [7]

ICM: A61K031-55

ICS: A61K031-445; A61K031-4015; C07D211-54; C07D223-12

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 239 OF 391 USPATFULL on STN

AN 2002:243784 USPATFULL

TI VEGF-modulated genes and methods employing them

IN Gerber, Hans-Peter, San Francisco, CA, UNITED STATES

Rastelli, Luca, Guilford, CT, UNITED STATES

PI US 2002132978 A1 20020919

AI US 2001-815153 A1 20010321 (9)

PRAI US 2000-191201P 20000322 (60)

DT Utility

FS APPLICATION

LN.CNT 5514

INCL INCLM: 530/350.000

INCLS: 536/023.500; 530/388.100; 435/325.000; 435/320.100; 435/069.100

NCL NCLM: 530/350.000

NCLS: 536/023.500; 530/388.100; 435/325.000; 435/320.100; 435/069.100

IC [7]

ICM: C07K014-705

ICS: C07H021-04; C12P021-02; C12N005-06; C07K016-28

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 240 OF 391 USPATFULL on STN

AN 2002:243133 USPATFULL

TI Peptide mutant of \*\*\*human\*\*\* ERAB or HADH2, its X-ray crystal structure, and materials and method for identification of inhibitors thereof

IN Abreo, Melwyn A., Jamul, CA, UNITED STATES

Agree, Charles S., San Diego, CA, UNITED STATES

Aust, Robert M., Alpine, CA, UNITED STATES

Kissinger, Charles R., San Diego, CA, UNITED STATES

Margosiak, Stephen, Escondido, CA, UNITED STATES

Meng, Jerry J., San Diego, CA, UNITED STATES

Pelletier, Laura A., Escondido, CA, UNITED STATES

Rejto, Paul Abraham, Carlsbad, CA, UNITED STATES

Showalter, Richard Edward, Santee, CA, UNITED STATES

Thomson, James Arthur, San Diego, CA, UNITED STATES

Tempczyk-Russell, Anna, Ramona, CA, UNITED STATES

Vanderpool, Darin, San Diego, CA, UNITED STATES

Villafranca, Jesus Ernesto, San Diego, CA, UNITED STATES

PI US 2002132319 A1 20020919

AI US 2001-931186 A1 20010817 (9)

PRAI US 2000-226123P 20000818 (60)

DT Utility

FS APPLICATION

LN.CNT 12914

INCL INCLM: 435/189.000

INCLS: 435/226.000; 536/023.200; 435/069.100; 702/019.000

NCL NCLM: 435/189.000

NCLS: 435/226.000; 536/023.200; 435/069.100; 702/019.000

IC [7]  
ICM: C12N009-02  
ICS: C12N009-64; G06F019-00; G01N033-48; G01N033-50; C07H021-04  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 241 OF 391 USPATFULL on STN  
AN 2002:238832 USPATFULL  
TI Process for differential diagnosis of Alzheimer's dementia and device therefor  
IN Jackowski, George, Kettleby, CANADA  
Takahashi, Miyoko, North York, CANADA  
PA Syn X Pharma, CANADA (non-U.S. corporation)  
PI US 6451547 B1 20020917  
AI US 2001-842079 20010425 (9)  
DT Utility  
FS GRANTED  
LN.CNT 817  
INCL INCLM: 435/007.400  
INCLS: 435/007.100; 435/007.900; 435/007.920; 435/007.930; 435/007.940;  
435/007.950; 530/387.200; 530/388.100; 530/388.250; 530/388.260;  
530/389.100; 530/389.300; 530/391.100  
NCL NCLM: 435/007.400  
NCLS: 435/007.100; 435/007.900; 435/007.920; 435/007.930; 435/007.940;  
435/007.950; 530/387.200; 530/388.100; 530/388.250; 530/388.260;  
530/389.100; 530/389.300; 530/391.100

IC [7]  
ICM: C07K016-18  
ICS: C07K016-40; G01N033-48; G01N033-49; G01N033-53  
EXF 530/387.2; 530/388.1; 530/388.25; 530/388.26; 530/389.1; 530/389.3;  
530/391.1; 435/7.1; 435/7.4; 435/7.9; 435/7.92; 435/7.93; 435/7.94;  
435/7.95

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 242 OF 391 USPATFULL on STN  
AN 2002:237182 USPATFULL  
TI Transgenic animals and cell lines for screening drugs effective for the treatment or prevention of alzheimer's disease  
IN De La Monte, Suzanne, East Greenwich, RI, UNITED STATES  
Wands, Jack R., Waban, MA, UNITED STATES  
PI US 2002129391 A1 20020912  
AI US 2001-964412 A1 20010928 (9)  
RLI Division of Ser. No. US 2000-380203, filed on 25 Apr 2000, PENDING A 371 of International Ser. No. WO 1998-US3685, filed on 26 Feb 1998, UNKNOWN  
PRAI US 1997-38908P 19970226 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2087  
INCL INCLM: 800/012.000  
INCLS: 800/018.000; 435/368.000; 435/320.100; 536/023.200  
NCL NCLM: 800/012.000  
NCLS: 800/018.000; 435/368.000; 435/320.100; 536/023.200

IC [7]  
ICM: A01K067-027  
ICS: C07H021-04; C12N015-74

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 243 OF 391 USPATFULL on STN  
AN 2002:236057 USPATFULL  
TI Compounds to treat alzheimer's disease  
IN Beck, James P., Kalamazoo, MI, UNITED STATES  
Fang, Lawrence Y., Foster City, CA, UNITED STATES  
Freskos, John N., Clayton, MO, UNITED STATES  
Gailunas, Andrea, San Francisco, CA, UNITED STATES  
Hom, Roy, San Francisco, CA, UNITED STATES  
Jagodzinska, Barbara, Redwood City, CA, UNITED STATES  
John, Varghese, San Francisco, CA, UNITED STATES  
Maillard, Michel, Redwood Shores, CA, UNITED STATES  
Pulley, Shon R., Hickory Corners, MI, UNITED STATES  
TenBrink, Ruth E., Kalamazoo, MI, UNITED STATES  
PI US 2002128255 A1 20020912  
AI US 2001-896139 A1 20010629 (9)  
PRAI US 2000-215323P 20000630 (60)  
US 2000-252736P 20001122 (60)  
US 2000-255956P 20001215 (60)  
US 2001-268497P 20010213 (60)  
US 2001-278778P 20010328 (60)

US 2001-295589P 20010604 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 21437  
INCL INCLM: 514/211.150  
INCLS: 514/396.000; 514/423.000; 514/357.000; 514/438.000; 514/616.000  
NCL NCLM: 514/211.150  
NCLS: 514/396.000; 514/423.000; 514/357.000; 514/438.000; 514/616.000  
IC [7]  
ICM: A61K031-553  
ICS: A61K031-554; A01N043-40  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 244 OF 391 USPATFULL on STN  
AN 2002:235353 USPATFULL  
TI Alzheimer's related proteins and methods of use  
IN St. George-Hyslop, Peter H., Toronto, CANADA  
Fraser, Paul E., Toronto, CANADA  
PA The Governing Council of the University of Toronto (non-U.S.  
corporation)  
PI US 2002127541 A1 20020912  
AI US 2002-71900 A1 20020208 (10)  
RLI Division of Ser. No. US 1999-227725, filed on 8 Jan 1999, GRANTED, Pat.  
No. US 6383758  
PRAI US 1998-70948P 19980109 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1479  
INCL INCLM: 435/004.000  
INCLS: 435/023.000; 435/007.200  
NCL NCLM: 435/004.000  
NCLS: 435/023.000; 435/007.200  
IC [7]  
ICM: C12Q001-00  
ICS: C12Q001-37; G01N033-53; G01N033-567  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 245 OF 391 USPATFULL on STN  
AN 2002:235107 USPATFULL  
TI Methods of reducing \*\*\*beta\*\*\* - \*\*\*amyloid\*\*\* polypeptides  
IN Eckman, Christopher B., Ponte Vedra Beach, FL, UNITED STATES  
Yager, Debra, Jacksonville, FL, UNITED STATES  
Haugabook, Sharie, Jacksonville, FL, UNITED STATES  
Fauq, Abdul, Jacksonville, FL, UNITED STATES  
PI US 2002127290 A1 20020912  
AI US 2001-804420 A1 20010312 (9)  
DT Utility  
FS APPLICATION  
LN.CNT 934  
INCL INCLM: 424/773.000  
INCLS: 424/764.000  
NCL NCLM: 424/773.000  
NCLS: 424/764.000  
IC [7]  
ICM: A61K035-78

L4 ANSWER 246 OF 391 USPATFULL on STN  
AN 2002:230959 USPATFULL  
TI Testis expressed polypeptide  
IN Ruben, Steven M., Olney, MD, United States  
Rosen, Craig A., Laytonsville, MD, United States  
Zeng, Zhizhen, Gaithersburg, MD, United States  
PA Human Genome Sciences, Inc., Rockville, MD, United States (U.S.  
corporation)  
PI US 6448230 B1 20020910  
AI US 1998-152060 19980911 (9)  
RLI Continuation-in-part of Ser. No. WO 1998-US4858, filed on 12 Mar 1998  
PRAI US 1997-40762P 19970314 (60)  
US 1997-40710P 19970314 (60)  
US 1997-50934P 19970530 (60)  
US 1997-48100P 19970530 (60)  
US 1997-48357P 19970530 (60)  
US 1997-48189P 19970530 (60)  
US 1997-57765P 19970905 (60)  
US 1997-48970P 19970606 (60)  
US 1997-68368P 19971210 (60)

DT Utility  
FS GRANTED  
LN.CNT 7777  
INCL INCLM: 514/021.000  
INCLS: 514/012.000; 514/002.000; 514/044.000; 530/300.000; 530/350.000;  
530/305.000; 530/324.000; 424/185.100; 424/193.100; 424/194.100;  
424/234.100  
NCL NCLM: 514/021.000  
NCLS: 424/185.100; 424/193.100; 424/194.100; 424/234.100; 514/002.000;  
514/012.000; 514/044.000; 530/300.000; 530/305.000; 530/324.000;  
530/350.000

IC [7]  
ICM: A61K038-00  
ICS: C07K001-00; C07K005-00; C07K007-00  
EXF 435/6; 435/69.1; 435/252.3; 435/320.1; 435/325; 514/12; 514/2; 514/44;  
514/21; 530/300; 530/350; 530/305; 530/324; 530/333; 530/344; 530/345;  
530/356; 530/358; 530/362; 530/391.5; 424/234.1; 424/184.1; 424/185.1;  
424/193.1; 424/194.1

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 247 OF 391 USPATFULL on STN  
AN 2002:227919 USPATFULL  
TI Assay for disease related conformation of a protein and isolating same  
IN Prusiner, Stanley B., San Francisco, CA, UNITED STATES  
Safar, Jiri G., Walnut Creek, CA, UNITED STATES  
PI US 2002123072 A1 20020905  
AI US 2002-47431 A1 20020114 (10)  
RLI Continuation of Ser. No. US 2001-754443, filed on 3 Jan 2001, PENDING  
Continuation of Ser. No. US 1998-169574, filed on 9 Oct 1998, GRANTED,  
Pat. No. US 6214565 Continuation of Ser. No. US 1998-26967, filed on 20  
Feb 1998, GRANTED, Pat. No. US 5977324

DT Utility  
FS APPLICATION  
LN.CNT 1643  
INCL INCLM: 435/007.100  
INCLS: 435/007.200  
NCL NCLM: 435/007.100  
NCLS: 435/007.200

IC [7]  
ICM: G01N033-53  
ICS: G01N033-567

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 248 OF 391 USPATFULL on STN  
AN 2002:227617 USPATFULL  
TI stable radiopharmaceutical compositions and methods for preparation  
thereof  
IN Liu, Shuang, Chelmsford, MA, UNITED STATES  
Barrett, John A., Groton, MA, UNITED STATES  
Carpenter, Alan P., JR., Carlisle, MA, UNITED STATES  
PI US 2002122768 A1 20020905  
AI US 2001-899629 A1 20010705 (9)  
PRAI US 2000-216396P 20000706 (60)

DT Utility  
FS APPLICATION  
LN.CNT 4115  
INCL INCLM: 424/001.110  
NCL NCLM: 424/001.110  
IC [7]

ICM: A61K051-00

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 249 OF 391 USPATFULL on STN  
AN 2002:224705 USPATFULL  
TI Hydrophobically-modified hedgehog protein compositions and methods  
IN Pepinsky, R. Blake, Arlington, MA, United States  
Baker, Darren P., Hingham, MA, United States  
Wen, Dingyi, Waltham, MA, United States  
Williams, Kevin P., Natick, MA, United States  
Garber, Ellen A., Cambridge, MA, United States  
Taylor, Frederick R., Milton, MA, United States  
Galdes, Alphonse, Lexington, MA, United States  
Porter, Jeffrey, Cambridge, MA, United States  
PA Curis, Inc., Cambridge, MA, United States (U.S. corporation)  
Biogen, Inc., Cambridge, MA, United States (U.S. corporation)



AI US 1999-325256 19990603 (9)  
RLI Continuation of Ser. No. WO 1998-US25676, filed on 3 Dec 1998  
PRAI US 1998-99800P 19980910 (60)  
US 1998-89685P 19980617 (60)  
US 1998-78935P 19980320 (60)  
US 1997-67423P 19971203 (60)  
DT Utility  
FS GRANTED  
LN.CNT 5426  
INCL INCLM: 530/402.000  
INCLS: 530/350.000; 530/399.000; 530/359.000; 436/071.000; 514/012.000;  
514/506.000; 514/762.000  
NCL NCLM: 530/402.000  
NCLS: 436/071.000; 530/350.000; 530/359.000; 530/399.000  
IC [7]  
ICM: C07K014-435  
ICS: C07K001-107  
EXF 436/71; 530/350; 530/399; 530/402; 530/359; 514/12; 514/506; 514/762  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 250 OF 391 USPATFULL on STN  
AN 2002:221784 USPATFULL  
TI Inhibitors of IAPP fibril formation and uses thereof  
IN Fraser, Paul, Toronto, CANADA  
PI US 2002119926 A1 20020829  
AI US 2001-956625 A1 20010919 (9)  
PRAI US 2000-233482P 20000919 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1753  
INCL INCLM: 514/012.000  
INCLS: 435/184.000; 514/014.000; 514/015.000; 514/016.000; 514/017.000  
NCL NCLM: 514/012.000  
NCLS: 435/184.000; 514/014.000; 514/015.000; 514/016.000; 514/017.000  
IC [7]  
ICM: A61K038-17  
ICS: A61K038-10; A61K038-08; C12N009-99  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 251 OF 391 USPATFULL on STN  
AN 2002:217052 USPATFULL  
TI Alzheimer's disease secretase, APP substrates therefor, and uses therefor  
IN Gurney, Mark E., 910 Rosewood Ave. SE., Grand Rapids, MI, United States 49506  
Bienkowski, Michael J., 3431 Hollow Wood, Portage, MI, United States 49024  
Heinrikson, Robert L., 81 S. Lake Doster Dr., Plainwell, MI, United States 49080  
Parodi, Luis A., Grevgafar 24, S-11543 Stockholm, SWEDEN  
Yan, Riqiang, 5026 Queen Victoria St., Kalamazoo, MI, United States 49009  
PI US 6440698 B1 20020827  
AI US 2000-548367 20000412 (9)  
RLI Division of Ser. No. US 1999-416901, filed on 13 Oct 1999  
Continuation-in-part of Ser. No. US 1999-404133, filed on 23 Sep 1999  
Continuation-in-part of Ser. No. WO 1999-US20881, filed on 23 Sep 1999  
PRAI US 1999-155493P 19990923 (60)  
US 1998-101594P 19980924 (60)  
DT Utility  
FS GRANTED  
LN.CNT 5651  
INCL INCLM: 435/069.100  
INCLS: 435/252.300; 435/325.000; 435/320.100; 536/023.100  
NCL NCLM: 435/069.100  
NCLS: 435/252.300; 435/320.100; 435/325.000; 536/023.100  
IC [7]  
ICM: C12P021-06  
ICS: C12N001-20; C12N018-00; C07H021-04  
EXF 435/70.1; 435/69.1; 435/252.3; 435/320.1; 435/325; 435/183; 435/212;  
435/219; 536/23.1; 536/23.4; 536/23.7; 536/23.5; 536/24.3; 514/2;  
424/94.63; 530/300; 530/350  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 252 OF 391 USPATFULL on STN  
AN 2002:214213 USPATFULL

TI Inhibitors of memapsin 2 and use thereof  
 IN Koelsch, Gerald, Oklahoma City, OK, UNITED STATES  
 Tang, Jordan J.N., Edmond, OK, UNITED STATES  
 Hong, Lin, Oklahoma City, OK, UNITED STATES  
 Ghosh, Arun K., River Forest, IL, UNITED STATES  
 PA Oklahoma Medical Research Foundation (U.S. corporation)  
 PI US 2002115600 A1 20020822  
 AI US 2001-845226 A1 20010430 (9)  
 RLI Division of Ser. No. US 2000-603713, filed on 27 Jun 2000, PENDING  
 PRAI US 1999-141363P 19990628 (60)  
 US 1999-168060P 19991130 (60)  
 US 2000-177836P 20000125 (60)  
 US 2000-178368P 20000127 (60)  
 US 2000-210292P 20000608 (60)  
 DT Utility  
 FS APPLICATION  
 LN.CNT 2377  
 INCL INCLM: 514/012.000  
 INCLS: 435/184.000; 530/326.000  
 NCL NCLM: 514/012.000  
 NCLS: 435/184.000; 530/326.000  
 IC [7]  
 ICM: A61K038-17  
 ICS: A61K038-00  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 253 OF 391 USPATFULL on STN  
 AN 2002:206604 USPATFULL  
 TI PREVENTION OF FETAL ALCOHOL SYNDROME AND NEURONAL CELL DEATH WITH ADNF  
 POLYPEPTIDES  
 IN BRENNEMAN, DOUGLAS E., DAMASCUS, MD, UNITED STATES  
 SPONG, CATHERINE Y., ARLINGTON, VA, UNITED STATES  
 GOZES, ILLANA, RAMAT HASHARON, ISRAEL  
 BASSAN, MERAV, RAMAT HASHARON, ISRAEL  
 ZAMOSTIANO, RACHEL, HOD HASHARON, ISRAEL  
 PI US 2002111301 A1 20020815  
 AI US 1999-267511 A1 19990312 (9)  
 DT Utility  
 FS APPLICATION  
 LN.CNT 1861  
 INCL INCLM: 514/012.000  
 INCLS: 514/002.000  
 NCL NCLM: 514/012.000  
 NCLS: 514/002.000  
 IC [7]  
 ICM: A61K038-00  
 ICS: A01N037-18  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 254 OF 391 USPATFULL on STN  
 AN 2002:202241 USPATFULL  
 TI Death domain containing receptor-4  
 IN Ni, Jian, Rockville, MD, United States  
 Rosen, Craig A., Laytonsville, MD, United States  
 Pan, James G., Belmont, CA, United States  
 Gentz, Reiner L., Rockville, MD, United States  
 Dixit, Vishva M., Los Altos Hills, CA, United States  
 PA Human Genome Sciences, Inc., Rockville, MD, United States (U.S.  
 corporation)  
 The Regents of the University of Michigan, Ann Arbor, MI, United States  
 (U.S. corporation)  
 PI US 6433147 B1 20020813  
 AI US 2000-565918 20000505 (9)  
 RLI Continuation-in-part of Ser. No. US 1998-13895, filed on 27 Jan 1998,  
 now patented, Pat. No. US 6342363  
 PRAI US 1999-132922P 19990506 (60)  
 US 1997-35722P 19970128 (60)  
 US 1997-37829P 19970205 (60)  
 DT Utility  
 FS GRANTED  
 LN.CNT 8675  
 INCL INCLM: 530/387.300  
 INCLS: 530/300.000; 530/350.000; 530/402.000; 536/023.100; 536/023.500;  
 435/069.100; 435/325.000; 435/252.300; 435/254.110; 424/178.100  
 NCL NCLM: 530/387.300  
 NCLS: 424/178.100; 435/069.100; 435/252.300; 435/254.110; 435/325.000

530/300.000; 530/350.000; 530/402.000; 536/023.100; 536/023.500  
IC [7]  
ICM: C07K014-705  
EXF 530/300; 530/350; 530/402; 530/387.3; 536/23.1; 536/23.5; 536/23.4;  
435/69.1; 435/375; 435/252.3; 435/254.11; 424/178.1  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 255 OF 391 USPATFULL on STN  
AN 2002:201837 USPATFULL  
TI Diagnostic applications of perlecan domain I splice variants  
IN Maresh, Grace A., River Ridge, LA, United States  
Snow, Alan D., Lynnwood, WA, United States  
PA University of Washington, Seattle, WA, United States (U.S. corporation)  
PI US 6432636 B1 20020813  
AI US 1997-918428 19970826 (8)  
PRAI US 1996-25030P 19960826 (60)  
DT Utility  
FS GRANTED  
LN.CNT 3479  
INCL INCLM: 435/006.000  
INCLS: 435/091.200; 536/023.500; 536/024.310; 536/024.330  
NCL NCLM: 435/006.000  
NCLS: 435/091.200; 536/023.500; 536/024.310; 536/024.330  
IC [7]  
ICM: C12Q001-68  
ICS: C12Q019-34; C07H021-04; C07H021-02  
EXF 435/6; 435/91.2; 536/23.5; 536/24.31; 536/24.33  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 256 OF 391 USPATFULL on STN  
AN 2002:194691 USPATFULL  
TI Protein fragment complementation assays for the detection of biological  
or drug interactions  
IN Michnick, Stephen William Watson, Westmount, CANADA  
Pelletier, Joelle Nina, Westmount, CANADA  
Remy, Ingrid, Montreal, CANADA  
PA Odyssey Pharmaceuticals, Inc., San Ramon, CA, United States (U.S.  
corporation)  
PI US 6428951 B1 20020806  
AI US 2000-499464 20000207 (9)  
RLI Continuation of Ser. No. US 1998-17412, filed on 2 Feb 1998, now  
patented, Pat. No. US 6270964  
PRAI CA 1997-2196496 19970131  
DT Utility  
FS GRANTED  
LN.CNT 2595  
INCL INCLM: 435/004.000  
INCLS: 435/006.000; 530/350.000; 536/023.200; 536/023.400  
NCL NCLM: 435/004.000  
NCLS: 435/006.000; 530/350.000; 536/023.200; 536/023.400  
IC [7]  
ICM: C12Q001-25  
ICS: C12Q001-68; C07K014-00; C12N015-11  
EXF 435/4; 435/6; 530/350; 536/23.2; 536/23.4  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 257 OF 391 USPATFULL on STN  
AN 2002:193030 USPATFULL  
TI Transgenic animals and cell lines for screening drugs effective for the  
treatment or prevention of alzheimer's disease  
IN De La Monte, Suzanne, East Greenwich, RI, UNITED STATES  
Wands, Jack R., Waban, MA, UNITED STATES  
PI US 2002104108 A1 20020801  
AI US 2001-964666 A1 20010928 (9)  
RLI Division of Ser. No. US 2000-380203, filed on 25 Apr 2000, PENDING A 371  
of International Ser. No. WO 1998-US3685, filed on 26 Feb 1998, UNKNOWN  
PRAI US 1997-38908P 19970226 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2100  
INCL INCLM: 800/012.000  
INCLS: 800/018.000; 435/325.000; 435/368.000; 435/320.100; 536/023.200  
NCL NCLM: 800/012.000  
NCLS: 800/018.000; 435/325.000; 435/368.000; 435/320.100; 536/023.200  
IC [7]  
ICM: A01K067-027

ICS: C07H021-04; C12N005-08  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 258 OF 391 USPATFULL on STN  
AN 2002:192279 USPATFULL  
TI Sequences characteristic of hypoxia-regulated gene transcription  
IN Einat, Paz, Nes-Ziona, ISRAEL  
Skaliter, Rami, Nes-Ziona, ISRAEL  
Feinstein, Elena, Rehovot, ISRAEL  
PI US 2002103353 A1 20020801  
AI US 2001-802472 A1 20010309 (9)  
RLI Continuation-in-part of Ser. No. US 1999-384096, filed on 27 Aug 1999,  
ABANDONED Continuation-in-part of Ser. No. US 1998-138109, filed on 21  
Aug 1998, ABANDONED  
PRAI US 1998-98158P 19980827 (60)  
US 2001-132684P 20010905 (60)  
US 1997-56453P 19970821 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 5096  
INCL INCLM: 536/023.200  
INCLS: 435/320.100; 435/325.000; 435/069.100  
NCL NCLM: 536/023.200  
NCLS: 435/320.100; 435/325.000; 435/069.100  
IC [7]  
ICM: C07H021-04  
ICS: C12P021-02; C12N005-06  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 259 OF 391 USPATFULL on STN  
AN 2002:192113 USPATFULL  
TI Cyclic malonamides as inhibitors of a beta protein production  
IN Olson, Richard E., wilmington, DE, UNITED STATES  
Yang, Michael G., wilmington, DE, UNITED STATES  
PI US 2002103184 A1 20020801  
AI US 2001-825211 A1 20010403 (9)  
PRAI US 2000-194503P 20000403 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 6436  
INCL INCLM: 514/212.030  
INCLS: 514/327.000; 514/424.000; 540/527.000; 546/216.000; 548/550.000  
NCL NCLM: 514/212.030  
NCLS: 514/327.000; 514/424.000; 540/527.000; 546/216.000; 548/550.000  
IC [7]  
ICM: A61K031-55  
ICS: A61K031-445; A61K031-4015; C07D223-12  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 260 OF 391 USPATFULL on STN  
AN 2002:191539 USPATFULL  
TI Full-length \*\*\*human\*\*\* cDNAs encoding potentially secreted proteins  
IN Milne Edwards, Jean-Baptiste Dumas, Paris, FRANCE  
Bougueleret, Lydie, Petit Lancy, SWITZERLAND  
Jobert, Severin, Paris, FRANCE  
PI US 2002102604 A1 20020801  
AI US 2000-731872 A1 20001207 (9)  
PRAI US 1999-169629P 19991208 (60)  
US 2000-187470P 20000306 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 28061  
INCL INCLM: 435/007.100  
INCLS: 536/023.100; 530/350.000  
NCL NCLM: 435/007.100  
NCLS: 536/023.100; 530/350.000  
IC [7]  
ICM: G01N033-53  
ICS: C07H021-02; C07H021-04; C07K001-00; C07K014-00; C07K017-00  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 261 OF 391 USPATFULL on STN  
AN 2002:185265 USPATFULL  
TI Modulators of amyloid aggregation  
IN Findeis, Mark A., Cambridge, MA, UNITED STATES

Garnick, Marc B., Brookline, MA, UNITED STATES  
Gefter, Malcolm L., Lincoln, MA, UNITED STATES  
Hundal, Arvind, Brighton, MA, UNITED STATES  
Kasman, Laura, Athens, GA, UNITED STATES  
Musso, Gary, Hopkinton, MA, UNITED STATES  
Signer, Ethan R., Cambridge, MA, UNITED STATES  
Wakefield, James, Brookline, MA, UNITED STATES  
Reed, Michael J., Marietta, GA, UNITED STATES  
Praecis Pharmaceuticals, Inc. (U.S. corporation)

PA  
PI US 2002098173 A1 20020725  
AI US 2001-972475 A1 20011004 (9)  
RLI Continuation of Ser. No. US 1996-617267, filed on 14 Mar 1996, PATENTED  
Continuation-in-part of Ser. No. US 1995-475579, filed on 7 Jun 1995,  
PATENTED Continuation-in-part of Ser. No. US 1995-404831, filed on 14  
Mar 1995, PATENTED Continuation-in-part of Ser. No. US 1995-548998,  
filed on 27 Oct 1995, ABANDONED  
DT Utility  
FS APPLICATION  
LN.CNT 4009  
INCL INCLM: 424/094.300  
INCLS: 435/226.000  
NCL NCLM: 424/094.300  
NCLS: 435/226.000  
IC [7]  
ICM: A61K038-54  
ICS: C12N009-64  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 262 OF 391 USPATFULL on STN  
AN 2002:178549 USPATFULL  
TI Vaccine for the prevention and treatment of alzheimer's and amyloid  
related diseases  
IN Chalifour, Robert, Ile Bizard, CANADA  
Hebert, Lise, Brossard, CANADA  
Kong, Xianqi, Dollard-des-Ormeaux, CANADA  
Gervais, Francine, Ile Bizard, CANADA  
PI US 2002094335 A1 20020718  
AI US 2001-867847 A1 20010529 (9)  
RLI Continuation-in-part of Ser. No. US 2000-724842, filed on 28 Nov 2000,  
PENDING  
PRAI US 1999-168594P 19991129 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1946  
INCL INCLM: 424/185.100  
NCL NCLM: 424/185.100  
IC [7]  
ICM: A61K039-00  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 263 OF 391 USPATFULL on STN  
AN 2002:175286 USPATFULL  
TI Alzheimer's disease secretase, APP substrates therefor, and uses thereof  
IN Gurney, Mark E., Grand Rapids, MI, United States  
Bienkowski, Michael J., Portage, MI, United States  
Heinrikson, Robert L., Plainwell, MI, United States  
Parodi, Luis A., Stockholm, SWEDEN  
Yan, Riqiang, Kalamazoo, MI, United States  
PA Pharmacia & Upjohn Company, Kalamazoo, MI, United States (U.S.  
corporation)  
PI US 6420534 B1 20020716  
AI US 2000-548372 20000412 (9)  
RLI Division of Ser. No. US 1999-416901, filed on 13 Oct 1999  
Continuation-in-part of Ser. No. US 1999-404133, filed on 23 Sep 1999  
Continuation-in-part of Ser. No. WO 1999-US20881, filed on 23 Sep 1999  
PRAI US 1999-155493P 19990923 (60)  
US 1998-101594P 19980924 (60)  
DT Utility  
FS GRANTED  
LN.CNT 5653  
INCL INCLM: 530/827.000  
INCLS: 530/350.000; 435/023.000; 435/024.000  
NCL NCLM: 435/226.000  
NCLS: 435/023.000; 435/024.000; 435/069.100; 530/350.000  
IC [7]  
ICM: C07K001.00

ICS: C07K014-00; C07K017-00; C12Q001-37  
EXF 530/300; 530/350; 530/827; 435/23; 435/24  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 264 OF 391 USPATFULL on STN  
AN 2002:174955 USPATFULL  
TI Methods of screening for agents that inhibit aggregation of polypeptides  
IN Housman, David E., Newton, MA, United States  
Preisinger, Elizabeth A., Roslindale, MA, United States  
Kazantsev, Aleksey G., Boston, MA, United States  
PA Massachusetts Institute of Technology, Boston, MA, United States (U.S.  
corporation)  
PI US 6420122 B1 20020716  
AI US 1999-405048 19990927 (9)  
DT Utility  
FS GRANTED  
LN.CNT 1135  
INCL INCLM: 435/007.100  
INCLS: 435/004.000; 436/501.000; 530/300.000; 530/350.000  
NCL NCLM: 435/007.100  
NCLS: 435/004.000; 436/501.000; 530/300.000; 530/350.000  
IC [7]  
ICM: G01N033-53  
EXF 436/86; 436/501; 536/23.4; 530/300; 530/350; 435/7.1; 435/4  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 265 OF 391 USPATFULL on STN  
AN 2002:172315 USPATFULL  
TI Endothelin converting enzymes and the amyloid beta peptide  
IN Eckman, Christopher B., Ponte Vedra Beach, FL, UNITED STATES  
Eckman, Elizabeth A., Ponte Vedra Beach, FL, UNITED STATES  
PI US 2002091072 A1 20020711  
AI US 2001-824924 A1 20010403 (9)  
PRAI US 2000-233012P 20000915 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1315  
INCL INCLM: 514/001.000  
INCLS: 435/006.000; 435/007.210  
NCL NCLM: 514/001.000  
NCLS: 435/006.000; 435/007.210  
IC [7]  
ICM: A61K031-00  
ICS: C12Q001-68; G01N033-567  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 266 OF 391 USPATFULL on STN  
AN 2002:164826 USPATFULL  
TI PURIFIED 20 KDA PRESENILIN 2 C-TERMINAL FRAGMENT AND METHODS OF  
SCREENING FOR COMPOUNDS THAT INHIBIT PROTEOLYSIS OF PRESENILIN 2  
IN TANZI, RUDOLPH E., HULL, MA, UNITED STATES  
KIM, TAE-WAN, WALTHAM, MA, UNITED STATES  
PI US 2002086444 A1 20020704  
AI US 1998-65902 A1 19980424 (9)  
PRAI US 1997-44262P 19970424 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2012  
INCL INCLM: 436/536.000  
INCLS: 530/388.100; 530/388.850; 436/548.000  
NCL NCLM: 436/536.000  
NCLS: 530/388.100; 530/388.850; 436/548.000  
IC [7]  
ICM: G01N033-53  
ICS: C07K016-00; C12P021-08; G01N033-536  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 267 OF 391 USPATFULL on STN  
AN 2002:164825 USPATFULL  
TI Magnetic in situ dilution  
IN Bamdad, Cynthia C., Newton, MA, UNITED STATES  
PI US 2002086443 A1 20020704  
AI US 2001-971099 A1 20011003 (9)  
PRAI US 2000-237427P 20001003 (60)  
US 2001-272727P 20010301 (60)  
DT Utility

FS APPLICATION  
LN.CNT 1494  
INCL INCLM: 436/526.000  
NCL NCLM: 436/526.000  
IC [7]  
ICM: G01N033-553

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 268 OF 391 USPATFULL on STN  
AN 2002:157080 USPATFULL  
TI NARC8 programmed cell-death-associated molecules and uses thereof  
IN Chiang, Lillian Wei-Ming, Cambridge, MA, UNITED STATES  
PA Millennium Pharmaceuticals, Inc. (U.S. corporation)  
PI US 2002081679 A1 20020627  
AI US 2001-775009 A1 20010201 (9)  
RLI Continuation-in-part of Ser. No. US 2000-692785, filed on 20 Oct 2000,  
PENDING  
PRAI US 1999-161188P 19991022 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 4095  
INCL INCLM: 435/183.000  
INCLS: 435/320.100; 435/325.000; 435/069.100; 536/023.200; 435/226.000  
NCL NCLM: 435/183.000  
NCLS: 435/320.100; 435/325.000; 435/069.100; 536/023.200; 435/226.000  
IC [7]  
ICM: C12N009-00  
ICS: C12N009-64; C07H021-04; C12N005-06; C12P021-02

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 269 OF 391 USPATFULL on STN  
AN 2002:157035 USPATFULL  
TI Alzheimer's disease secretase, APP substrates therefor, and uses  
therefor  
IN Gurney, Mark E., Reykjavik, ICELAND  
Bienkowski, Michael J., Portage, MI, UNITED STATES  
Heinrikson, Robert L., Plainwell, MI, UNITED STATES  
Parodi, Luis A., Stockholm, SWEDEN  
Yan, Riqiang, Kalamazoo, MI, UNITED STATES  
PI US 2002081634 A1 20020627  
AI US 2001-681442 A1 20010405 (9)  
RLI Continuation of Ser. No. US 1999-416901, filed on 13 Oct 1999, PENDING  
Continuation-in-part of Ser. No. US 1999-404133, filed on 23 Sep 1999,  
PENDING Continuation-in-part of Ser. No. WO 1999-US20881, filed on 23  
Sep 1999, UNKNOWN  
PRAI US 1999-155493P 19990923 (60)  
US 1998-101594P 19980924 (60)  
US 1998-101594P 19980924 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 5573  
INCL INCLM: 435/007.210  
INCLS: 435/006.000; 435/226.000  
NCL NCLM: 435/007.210  
NCLS: 435/006.000; 435/226.000  
IC [7]  
ICM: G01N033-567  
ICS: C12Q001-68; C12N009-64

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 270 OF 391 USPATFULL on STN  
AN 2002:149132 USPATFULL  
TI Synthetic immunogenic but non-amyloidogenic peptides homologous to  
amyloid beta for induction of an immune response to amyloid beta and  
amyloid deposits  
IN Frangione, Blas, New York, NY, UNITED STATES  
Wisniewski, Thomas, Staten Island, NY, UNITED STATES  
Sigurdsson, Einar M., New York, NY, UNITED STATES  
PA New York University, New York, NY (U.S. corporation)  
PI US 2002077288 A1 20020620  
AI US 2001-861847 A1 20010522 (9)  
PRAI US 1996-16233P 19960426 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1875  
INCL INCLM: 514/013.000

NCL INCLS: 514/013.000; 514/014.000; 530/324.000; 530/326.000; 530/327.000  
NCLM: 514/012.000  
NCLS: 514/013.000; 514/014.000; 530/324.000; 530/326.000; 530/327.000  
IC [7]  
ICM: A61K038-16  
ICS: C07K014-00  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 271 OF 391 USPATFULL on STN  
AN 2002:149131 USPATFULL  
TI 28 \*\*\*human\*\*\* secreted proteins  
IN Ruben, Steven M., Olney, MD, UNITED STATES  
Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Li, Yi, Sunnyvale, CA, UNITED STATES  
Zeng, Zhizhen, Lansdale, PA, UNITED STATES  
Kyaw, Hla, Frederick, MD, UNITED STATES  
Fischer, Carrie L., Burke, VA, UNITED STATES  
Li, Haodong, Gaithersburg, MD, UNITED STATES  
Soppet, Daniel R., Centreville, VA, UNITED STATES  
Gentz, Reiner L., Rockville, MD, UNITED STATES  
Wei, Ying-Fei, Berkeley, CA, UNITED STATES  
Moore, Paul A., Germantown, MD, UNITED STATES  
Young, Paul E., Gaithersburg, MD, UNITED STATES  
Greene, John M., Gaithersburg, MD, UNITED STATES  
Ferrie, Ann M., Tewksbury, MA, UNITED STATES  
PI US 2002077287 A1 20020620  
AI US 2001-852659 A1 20010511 (9)  
RLI Continuation-in-part of Ser. No. US 1998-152060, filed on 11 Sep 1998,  
UNKNOWN  
DT Utility  
FS APPLICATION  
LN.CNT 17779  
INCL INCLM: 514/012.000  
INCLS: 435/325.000; 435/320.100; 435/069.100; 435/183.000; 530/350.000;  
536/023.200  
NCL NCLM: 514/012.000  
NCLS: 435/325.000; 435/320.100; 435/069.100; 435/183.000; 530/350.000;  
536/023.200  
IC [7]  
ICM: A61K038-17  
ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06; C07K014-435  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 272 OF 391 USPATFULL on STN  
AN 2002:148656 USPATFULL  
TI Compositions and methods for modulating TGF-beta signaling  
IN Wang, Tongwen, Seattle, WA, UNITED STATES  
PI US 2002076799 A1 20020620  
AI US 2001-927738 A1 20010810 (9)  
RLI Continuation-in-part of Ser. No. WO 2000-US3561, filed on 11 Feb 2000,  
UNKNOWN  
PRAI US 1999-119786P 19990211 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 5961  
INCL INCLM: 435/226.000  
INCLS: 435/069.100; 435/325.000; 435/320.100; 435/183.000; 530/388.260;  
536/023.200  
NCL NCLM: 435/226.000  
NCLS: 435/069.100; 435/325.000; 435/320.100; 435/183.000; 530/388.260;  
536/023.200  
IC [7]  
ICM: C12N009-64  
ICS: C12N009-00; C07H021-04; C12P021-02; C12N005-06; C07K016-40  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 273 OF 391 USPATFULL on STN  
AN 2002:148614 USPATFULL  
TI 28 \*\*\*human\*\*\* secreted proteins  
IN Ruben, Steven M., Olney, MD, UNITED STATES  
Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Li, Yi, Sunnyvale, CA, UNITED STATES  
Zeng, Zhizhen, Lansdale, PA, UNITED STATES  
Kyaw, Hla, Frederick, MD, UNITED STATES  
Fischer, Carrie L., Burke, VA, UNITED STATES  
Li, Haodong, Gaithersburg, MD, UNITED STATES



Soppet, Daniel R., Centreville, VA, UNITED STATES  
Gentz, Reiner L., Rockville, MD, UNITED STATES  
Wei, Ying-Fei, Berkeley, CA, UNITED STATES  
Moore, Paul A., Germantown, MD, UNITED STATES  
Young, Paul E., Gaithersburg, MD, UNITED STATES  
Greene, John M., Gaithersburg, MD, UNITED STATES  
Ferrie, Ann M., Painted Post, NY, UNITED STATES

PI US 2002076756 A1 20020620  
AI US 2001-853161 A1 20010511 (9)  
PRAI US 2001-265583P 20010202 (60)

DT Utility  
FS APPLICATION

LN.CNT 17788

INCL INCLM: 435/069.100  
INCLS: 435/325.000; 435/320.100; 530/350.000; 536/023.500

NCL NCLM: 435/069.100  
NCLS: 435/325.000; 435/320.100; 530/350.000; 536/023.500

IC [7]  
ICM: C12P021-02  
ICS: C12N005-06; C07H021-04; C07K014-435

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 274 OF 391 USPATFULL on STN

AN 2002:129982 USPATFULL

TI N-(aryl/heteroaryl) amino acid esters, pharmaceutical compositions  
comprising same, and methods for inhibiting alpha- amyloid peptide  
release and/or its synthesis by use of such compounds

IN Audia, James E., Indianapolis, IN, United States  
Folmer, Beverly K., Newark, DE, United States  
John, Varghese, San Francisco, CA, United States  
Latimer, Lee H., Oakland, CA, United States  
Nissen, Jeffrey S., Indianapolis, IN, United States  
Reel, Jon K., Carmel, IN, United States

PA Thorsett, Eugene D., Moss Beach, CA, United States  
Whitesitt, Celia A., Greenwood, IN, United States  
Athena Neurosciences, Inc., San Francisco, CA, United States (U.S.  
corporation)  
Eli Lilly & Company, Indianapolis, IN, United States (U.S. corporation)

PI US 6399628 B1 20020604

AI US 1999-266908 19990312 (9)

RLI Continuation of Ser. No. US 1997-975977, filed on 21 Nov 1997, now  
patented, Pat. No. US 5965614

PRAI US 1996-104593P 19961122 (60)

DT Utility  
FS GRANTED

LN.CNT 2944

INCL INCLM: 514/311.000  
INCLS: 514/367.000; 514/415.000; 514/423.000; 514/452.000; 514/465.000;  
514/467.000; 514/471.000; 514/529.000; 514/533.000; 514/538.000;  
514/550.000; 514/567.000; 546/171.000; 548/161.000; 548/496.000;  
548/540.000; 549/366.000; 549/439.000; 549/451.000; 549/496.000;  
560/043.000; 560/045.000; 560/161.000; 562/433.000; 562/457.000

NCL NCLM: 514/311.000  
NCLS: 514/367.000; 514/415.000; 514/423.000; 514/452.000; 514/465.000;  
514/467.000; 514/471.000; 514/529.000; 514/533.000; 514/538.000;  
514/550.000; 514/567.000; 546/171.000; 548/161.000; 548/496.000;  
548/540.000; 549/366.000; 549/439.000; 549/451.000; 549/496.000;  
560/043.000; 560/045.000; 560/161.000; 562/433.000; 562/457.000

IC [7]  
ICM: C07D215-38  
ICS: C07D277-82; C07D209-20; C07D319-14; C07D317-44; C07D307-02;  
C07C229-28

EXF 514/311; 514/367; 514/413; 514/423; 514/452; 514/465; 514/467; 514/471;  
514/529; 514/533; 514/538; 514/550; 514/567; 546/171; 548/161; 548/496;  
548/540; 549/366; 549/439; 549/451; 549/496; 560/43; 560/45; 560/161;  
562/433; 562/457

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 275 OF 391 USPATFULL on STN

AN 2002:129731 USPATFULL

TI Methods of detection of amyloidogenic proteins

IN Krishnamurthy, Girija, Chestnut Ridge, NY, United States

PA American Cyanamid Company, Madison, NY, United States (U.S. corporation)

PI US 6399314 B1 20020604

AI US 1999-474970 19991229 (9)

DT Utility

FS GRANTED  
LN.CNT 1359  
INCL INCLM: 435/007.100  
INCLS: 514/001.000; 514/002.000; 530/387.100  
NCL NCLM: 435/007.100  
NCLS: 514/001.000; 514/002.000; 530/387.100  
IC [7]  
ICM: G01N033-53  
ICS: A01N061-00; A61K031-00; C07K016-00  
EXF 514/1; 514/2; 435/7.1; 530/387.1  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 276 OF 391 USPATFULL on STN  
AN 2002:126307 USPATFULL  
TI Alzheimer's disease secretase, APP substrates therefor, and uses therefor  
IN Gurney, Mark E., Grand Rapids, MI, UNITED STATES  
Bienkowski, Michael J., Portage, MI, UNITED STATES  
Heinrikson, Robert L., Plainwell, MI, UNITED STATES  
Parodi, Luis A., Stockholm, SWEDEN  
Yan, Riqiang, Kalamazoo, MI, UNITED STATES  
PA Pharmacia & Upjohn Company (U.S. corporation)  
PI US 2002064819 A1 20020530  
AI US 2001-794925 A1 20010227 (9)  
RLI Continuation of Ser. No. US 1999-416901, filed on 13 Oct 1999, PENDING  
Continuation of Ser. No. US 1999-404133, filed on 23 Sep 1999, PENDING  
Continuation of Ser. No. WO 1999-US20881, filed on 23 Sep 1999, UNKNOWN  
PRAI US 1999-155493P 19990923 (60)  
US 1998-101594P 19980924 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 5465  
INCL INCLM: 435/069.100  
INCLS: 435/325.000; 435/320.100; 536/023.200  
NCL NCLM: 435/069.100  
NCLS: 435/325.000; 435/320.100; 536/023.200  
IC [7]  
ICM: C07H021-04  
ICS: C12P021-02  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 277 OF 391 USPATFULL on STN  
AN 2002:122820 USPATFULL  
TI Transgenic mice expressing \*\*\*human\*\*\* presenilin proteins  
IN St. George-Hyslop, Peter H., Toronto, CANADA  
Rommens, Johanna M., Toronto, CANADA  
Fraser, Paul E., Toronto, CANADA  
PA The Hospital for sick Children, Toronto, CANADA (non-U.S. corporation)  
HSC Research and Development Limited Partnership, Toronto, CANADA (non-U.S. corporation)  
The Governing Council of the University of Toronto, Toronto, CANADA (non-U.S. corporation)  
PI US 6395960 B1 20020528  
AI US 1998-124523 19980729 (9)  
RLI Division of Ser. No. US 1997-967101, filed on 10 Nov 1997, now patented, Pat. No. US 5840540 Division of Ser. No. US 1996-592541, filed on 26 Jan 1996, now patented, Pat. No. US 5986054 Continuation-in-part of Ser. No. US 1995-509359, filed on 31 Jul 1995, now abandoned Continuation-in-part of Ser. No. US 1995-496841, filed on 28 Jun 1995, now patented, Pat. No. US 6210919 Continuation-in-part of Ser. No. US 1995-431048, filed on 28 Apr 1995  
DT Utility  
FS GRANTED  
LN.CNT 4103  
INCL INCLM: 800/018.000  
INCLS: 800/012.000; 800/013.000; 800/014.000; 800/017.000  
NCL NCLM: 800/018.000  
NCLS: 800/012.000; 800/013.000; 800/014.000; 800/017.000  
IC [7]  
ICM: A01K067-00  
ICS: A01K067-027; A01K067-033  
EXF 800/8; 800/12; 800/13; 800/14; 800/17; 800/18

L4 ANSWER 278 OF 391 USPATFULL on STN  
AN 2002:119886 USPATFULL  
TI Substituted cyclo alkyls as inhibitors of

IN Yang, Michael G., Wilmington, DE, UNITED STATES  
Liu, Hong, Glen Mills, PA, UNITED STATES  
PI US 2002061874 A1 20020523  
AI US 2001-824945 A1 20010403 (9)  
PRAI US 2000-194302P 20000403 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 4518  
INCL INCLM: 514/212.040  
INCLS: 514/212.070; 514/212.080; 514/221.000; 540/504.000; 540/522.000;  
540/523.000; 540/524.000  
NCL NCLM: 514/212.040  
NCLS: 514/212.070; 514/212.080; 514/221.000; 540/504.000; 540/522.000;  
540/523.000; 540/524.000  
IC [7]  
ICM: A61K031-5513  
ICS: A61K031-55; C07D243-24; C07D223-16; C07D223-18  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 279 OF 391 USPATFULL on STN  
AN 2002:112541 USPATFULL  
TI Proteins related to schizophrenia and uses thereof  
IN St. George-Hyslop, Peter H., Toronto, CANADA  
Fraser, Paul E., Toronto, CANADA  
PA The Governing Council of the University of Toronto (non-U.S.  
corporation)  
PI US 2002058276 A1 20020516  
AI US 2001-945258 A1 20010831 (9)  
PRAI US 2000-229889P 20000901 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2909  
INCL INCLM: 435/006.000  
INCLS: 424/009.200; 800/003.000  
NCL NCLM: 435/006.000  
NCLS: 424/009.200; 800/003.000  
IC [7]  
ICM: C12Q001-68  
ICS: A61K049-00; A01K067-00  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 280 OF 391 USPATFULL on STN  
AN 2002:106320 USPATFULL  
TI Method for treating alzheimer's disease  
IN Bisgaier, Charles Larry, Ann Arbor, MI, UNITED STATES  
Emmerling, Mark Richard, Chelsea, MI, UNITED STATES  
Roher, Alex Eugene, Carefree, AZ, UNITED STATES  
PI US 2002055529 A1 20020509  
AI US 2001-888592 A1 20010626 (9)  
RLI Division of Ser. No. US 2000-554994, filed on 23 May 2000, PENDING  
PRAI WO 1998-US25495 19981202  
DT Utility  
FS APPLICATION  
LN.CNT 819  
INCL INCLM: 514/369.000  
INCLS: 514/381.000; 514/356.000; 514/559.000; 514/560.000; 514/557.000  
NCL NCLM: 514/369.000  
NCLS: 514/381.000; 514/356.000; 514/559.000; 514/560.000; 514/557.000  
IC [7]  
ICM: A61K031-455  
ICS: A61K031-426; A61K031-41; A61K031-202; A61K031-19  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 281 OF 391 USPATFULL on STN  
AN 2002:106292 USPATFULL  
TI Succinoylamino carbocycles and heterocycles as inhibitors of a-beta  
protein production  
IN Olson, Richard E., Wilmington, DE, UNITED STATES  
Maduskuie, Thomas P., Wilmington, DE, UNITED STATES  
Thompson, Lorin A., Wilmington, DE, UNITED STATES  
Tebben, Andrew J., Wallingford, PA, UNITED STATES  
Wang, Nenghui, Newark, DE, UNITED STATES  
Deng, Wei, Wilmington, DE, UNITED STATES  
Liu, Hong, Newark, DE, UNITED STATES  
PI US 2002055501 A1 20020509  
US 6525044 B2 20030225

AI US 2001-788227 A1 20010216 (9)  
PRAI US 2000-183186P 20000217 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 7229  
INCL INCLM: 514/212.050  
INCLS: 514/221.000; 540/500.000; 540/523.000  
NCL NCLM: 514/220.000  
NCLS: 540/496.000  
IC [7]  
ICM: A61K031-551  
ICS: A61K031-55; C07D498-04  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 282 OF 391 USPATFULL on STN  
AN 2002:102272 USPATFULL  
TI Alzheimer's related proteins and methods of use  
IN St. George-Hyslop, Peter H., Toronto, CANADA  
Fraser, Paul E., Toronto, CANADA  
PA The Governing Council of the University of Toronto, Toronto, CANADA  
(non-U.S. corporation)  
PI US 6383758 B1 20020507  
AI US 1999-227725 19990108 (9)  
PRAI US 1998-70948P 19980109 (60)  
DT Utility  
FS GRANTED  
LN.CNT 1420  
INCL INCLM: 435/007.100  
INCLS: 530/350.000  
NCL NCLM: 435/007.100  
NCLS: 530/350.000  
IC [7]  
ICM: G01M033-53  
ICS: C07K014-00  
EXF 435/7.1; 530/350  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 283 OF 391 USPATFULL on STN  
AN 2002:99459 USPATFULL  
TI Hydroxyalkanoylaminolactams and related structures as inhibitors of a  
beta protein production  
IN Olson, Richard E., Wilmington, DE, UNITED STATES  
Liu, Hong, Glen Mills, PA, UNITED STATES  
Thompson III, Lorin A., Wilmington, DE, UNITED STATES  
PI US 2002052360 A1 20020502  
US 6503902 B2 20030107  
AI US 2001-805645 A1 20010314 (9)  
RLI Continuation-in-part of Ser. No. US 2000-661008, filed on 13 Sep 2000,  
PENDING  
PRAI US 1999-153511P 19990913 (60)  
US 2000-224388P 20000809 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 6949  
INCL INCLM: 514/212.040  
INCLS: 514/218.000; 514/220.000; 540/522.000; 540/523.000; 540/504.000  
NCL NCLM: 514/221.000  
NCLS: 540/509.000  
IC [7]  
ICM: A61K031-55  
ICS: A61K031-5513; A61K031-551  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 284 OF 391 USPATFULL on STN  
AN 2002:99421 USPATFULL  
TI Methods and compounds for inhibiting \*\*\*beta\*\*\* - \*\*\*amyloid\*\*\*  
peptide release and/or its synthesis  
IN Audia, James E., Indianapolis, IN, UNITED STATES  
Britton, Thomas C., Carmel, IN, UNITED STATES  
Droste, James J., Indianapolis, IN, UNITED STATES  
Folmer, Beverly K., Newark, DE, UNITED STATES  
Huffman, George W., Carmel, IN, UNITED STATES  
Varghese, John, San Francisco, CA, UNITED STATES  
Latimer, Lee H., Oakland, CA, UNITED STATES  
Mabry, Thomas E., Indianapolis, IN, UNITED STATES  
Nissen, Jeffrey C., Indianapolis, IN, UNITED STATES

Porter, Warren J., Indianapolis, IN, UNITED STATES  
Reel, Jon K., Carmel, IN, UNITED STATES  
Thorsett, Eugene D., Moss Beach, CA, UNITED STATES  
Tung, Jay S., Belmont, CA, UNITED STATES  
Wu, Jing, San Mateo, CA, UNITED STATES  
Eid, Clark Norman, Cheshire, CT, UNITED STATES  
Scott, William Leonard, Indianapolis, IN, UNITED STATES  
PI US 2002052322 A1 20020502  
AI US 2001-789487 A1 20010220 (9)  
RLI Continuation of Ser. No. US 1997-976289, filed on 21 Nov 1997, GRANTED,  
Pat. No. US 6191166  
PRAI US 1996-108166P 19961122 (60)  
US 1997-108161P 19970228 (60)  
US 1997-98558P 19970228 (60)  
US 1997-64859P 19970228 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 14911  
INCL INCLM: 514/018.000  
INCLS: 514/019.000; 514/400.000; 514/563.000; 514/419.000  
NCL NCLM: 514/018.000  
NCLS: 514/019.000; 514/400.000; 514/563.000; 514/419.000  
IC [7]  
ICM: A61K038-06  
ICS: A61K031-05; A61K031-4172; A61K031-405; A61K031-198  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 285 OF 391 USPATFULL on STN  
AN 2002:92777 USPATFULL  
TI Catalytically active recombinant memapsin and methods of use thereof  
IN Tang, Jordan J. N., Edmond, OK, UNITED STATES  
Lin, Xinli, Edmond, OK, UNITED STATES  
Koelsch, Gerald, Oklahoma City, OK, UNITED STATES  
Hong, Lin, Oklahoma City, OK, UNITED STATES  
PI US 2002049303 A1 20020425  
AI US 2001-796264 A1 20010228 (9)  
RLI Division of Ser. No. US 2000-604608, filed on 27 Jun 2000, PENDING  
PRAI US 1999-141363P 19990628 (60)  
US 1999-168060P 19991130 (60)  
US 2000-177836P 20000125 (60)  
US 2000-178368P 20000127 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2441  
INCL INCLM: 530/350.000  
INCLS: 435/069.100; 435/252.300; 435/320.100; 435/006.000; 435/069.200;  
514/002.000; 530/387.900  
NCL NCLM: 530/350.000  
NCLS: 435/069.100; 435/252.300; 435/320.100; 435/006.000; 435/069.200;  
514/002.000; 530/387.900  
IC [7]  
ICM: C12N015-09  
ICS: C12N009-64; C12N015-74  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 286 OF 391 USPATFULL on STN  
AN 2002:91754 USPATFULL  
TI Methods and composition for restoring conformational stability of a  
protein of the p53 family  
IN Rastinejad, Farzan, Old Saybrook, CT, UNITED STATES  
Foster, Barbara A., Mystic, CT, UNITED STATES  
Coffey, Heather A., Groton, CT, UNITED STATES  
Connell, Richard D., East Lyme, CT, UNITED STATES  
PI US 2002048271 A1 20020425  
AI US 2001-863976 A1 20010523 (9)  
RLI Continuation of Ser. No. US 1999-443542, filed on 19 Nov 1999, PENDING  
PRAI US 1998-110542P 19981202 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2082  
INCL INCLM: 370/395.000  
INCLS: 514/228.200; 514/232.800; 514/234.500; 514/252.170; 514/259.000;  
514/253.020; 514/253.030; 514/284.000; 514/290.000  
NCL NCLM: 370/395.000  
NCLS: 514/228.200; 514/232.800; 514/234.500; 514/252.170; 514/259.000;  
514/253.020; 514/253.030; 514/284.000; 514/290.000

IC [7]  
ICM: A61K031-5415  
ICS: A61K031-5377; A61K031-496; A61K031-517; A61K031-473; H04L012-28;  
H04L012-56  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 287 OF 391 USPATFULL on STN  
AN 2002:88227 USPATFULL  
TI Screening methods for agents that modulate or inhibit tau association  
with tau or map2  
IN Wischik, Claude Michel, Cambridge, UNITED KINGDOM  
Edwards, Patricia Carol, Cambridge, UNITED KINGDOM  
Harrington, Charles Robert, Cambridge, UNITED KINGDOM  
Roth, Martin, Cambridge, UNITED KINGDOM  
Klug, Aaron, Cambridge, UNITED KINGDOM  
PA University Court of the University of Aberdeen, Aberdeen, UNITED KINGDOM  
(non-U.S. corporation)  
PI US 6376205 B1 20020423  
WO 9630766 19961003  
AI US 1997-913915 19971212 (8)  
WO 1996-EP1307 19960325  
19971212 PCT 371 date  
PRAI GB 1995-6197 19950327  
DT Utility  
FS GRANTED  
LN.CNT 1856  
INCL INCLM: 435/007.800  
INCLS: 435/007.100; 435/007.920; 436/501.000; 436/503.000; 436/504.000  
NCL NCLM: 435/007.800  
NCLS: 435/007.100; 435/007.920; 436/501.000; 436/503.000; 436/504.000  
IC [7]  
ICM: G01N033-53  
EXF 435/701; 435/7.8; 435/7.92; 436/501; 436/503; 436/504  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 288 OF 391 USPATFULL on STN  
AN 2002:85579 USPATFULL  
TI Method and composition for modulating amyloidosis  
IN Reiner, Peter B., Vancouver, CANADA  
Connop, Bruce P., Vancouver, CANADA  
PA The University of British Columbia (non-U.S. corporation)  
PI US 2002045621 A1 20020418  
US 6472145 B2 20021029  
AI US 2001-874968 A1 20010605 (9)  
RLI Continuation of Ser. No. US 2000-660599, filed on 13 Sep 2000, ABANDONED  
Continuation of Ser. No. US 1999-383317, filed on 25 Aug 1999, PATENTED  
Continuation of Ser. No. US 1998-80141, filed on 15 May 1998, PATENTED  
DT Utility  
FS APPLICATION  
LN.CNT 1150  
INCL INCLM: 514/237.800  
INCLS: 514/247.000; 514/255.060; 514/255.010; 514/256.000; 514/317.000;  
514/370.000; 514/377.000; 514/430.000; 514/415.000; 514/426.000;  
514/459.000; 514/646.000  
NCL NCLM: 435/004.000  
NCLS: 435/029.000  
IC [7]  
ICM: A61K031-535  
ICS: A61K031-50; A61K031-495; A61K031-135; A61K031-40; A61K031-405  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 289 OF 391 USPATFULL on STN  
AN 2002:78763 USPATFULL  
TI \*\*\*Beta\*\*\* - \*\*\*amyloid\*\*\* inhibitors, processes for preparing  
them, and their use in pharmaceutical compositions  
IN Briem, Hans, Bremen, GERMANY, FEDERAL REPUBLIC OF  
Mendla, Klaus, Ingelheim, GERMANY, FEDERAL REPUBLIC OF  
Romig, Helmut Michael, Gau-Algesheim, GERMANY, FEDERAL REPUBLIC OF  
Fechteler, Katja, Wiesbaden, GERMANY, FEDERAL REPUBLIC OF  
Fuchs, Klaus, Gau-Algesheim, GERMANY, FEDERAL REPUBLIC OF  
PI US 2002042420 A1 20020411  
US 6514969 B2 20030204  
AI US 2001-911825 A1 20010724 (9)  
PRAI DE 2000-10040016 20000816  
US 2000-227039P 20000823 (60)  
DT Utility

FS APPLICATION  
LN.CNT 1132  
INCL INCLM: 514/253.040  
INCLS: 514/300.000; 546/113.000; 514/233.200; 544/128.000; 544/362.000  
NCL NCLM: 514/233.200  
NCLS: 514/253.090; 514/322.000; 544/129.000; 544/364.000; 546/199.000  
IC [7]  
ICM: C07D471-02  
ICS: A61K031-5377; A61K031-4745; A61K031-496  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 290 OF 391 USPATFULL on STN  
AN 2002:67190 USPATFULL  
TI METHOD AND COMPOSITION FOR MODULATING AMYLOIDOSIS  
IN REINER, PETER B., VANCOUVER, CANADA  
LAM, FRED CHIU-LAI, VANCOUVER, CANADA  
PI US 2002037843 A1 20020328  
US 6514686 B2 20030204  
AI US 1998-177413 A1 19981023 (9)  
RLI Continuation-in-part of Ser. No. US 1998-67523, filed on 28 Apr 1998,  
ABANDONED Continuation-in-part of Ser. No. US 1997-847616, filed on 28  
Apr 1997, ABANDONED  
DT Utility  
FS APPLICATION  
LN.CNT 2452  
INCL INCLM: 514/011.000  
INCLS: 530/317.000; 435/004.000; 435/007.100; 436/086.000; 530/324.000;  
435/183.000  
NCL NCLM: 435/004.000  
NCLS: 435/007.400; 436/086.000; 530/324.000  
IC [7]  
ICM: C12Q001-00  
ICS: G01N033-53; A61K038-00; G01N033-00; C12N009-00; C07K005-00;  
C07K007-00; C07K016-00; C07K017-00; A61K038-12  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 291 OF 391 USPATFULL on STN  
AN 2002:66664 USPATFULL  
TI Alzheimer's disease secretase, APP substrates therefor, and uses  
therefor  
IN Gurney, Mark E., Grand Rapids, MI, UNITED STATES  
Bienkowski, Michael J., Portage, MI, UNITED STATES  
Heinrikson, Robert L., Plainwell, MI, UNITED STATES  
Parodi, Luis A., Stockholm, SWEDEN  
Yan, Riqiang, Kalamazoo, MI, UNITED STATES  
Pharmacia & Upjohn Company (U.S. corporation)  
PI US 2002037315 A1 20020328  
AI US 2001-794748 A1 20010227 (9)  
RLI Continuation of Ser. No. US 1999-416901, filed on 13 Oct 1999, PENDING  
Continuation of Ser. No. US 1999-404133, filed on 23 Sep 1999, PENDING  
Continuation of Ser. No. WO 1999-US20881, filed on 23 Sep 1999, UNKNOWN  
PRAI US 1999-155493P 19990923 (60)  
US 1998-101594P 19980924 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 5440  
INCL INCLM: 424/450.000  
INCLS: 424/093.210; 514/044.000  
NCL NCLM: 424/450.000  
NCLS: 424/093.210; 514/044.000  
IC [7]  
ICM: A61K048-00  
ICS: A61K009-127  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 292 OF 391 USPATFULL on STN  
AN 2002:60975 USPATFULL  
TI Avian and reptile derived polynucleotide encoding a polypeptide having  
heparanase activity  
IN Goldshmidt, Orit, Jerusalem, ISRAEL  
Pecker, Iris, Rishon LeZion, ISRAEL  
Vlodavsky, Israel, Mevaseret Zion, ISRAEL  
Michal, Israel, Ashkelon, ISRAEL  
Zcharia, Eyal, Jerusalem, ISRAEL  
PA Insight Strategy And Marketing Ltd. (non-U.S. corporation)  
US 2002037410 A1 20020328

AI US 2001-930218 A1 20010816 (9)  
RLI Continuation-in-part of Ser. No. US 2000-666390, filed on 20 Sep 2000,  
PENDING  
DT Utility  
FS APPLICATION  
LN.CNT 2355  
INCL INCLM: 435/200.000  
INCLS: 435/069.100; 435/325.000; 435/320.100; 424/094.610; 536/023.200  
NCL NCLM: 435/200.000  
NCLS: 435/069.100; 435/325.000; 435/320.100; 424/094.610; 536/023.200  
IC [7]  
ICM: C12N009-24  
ICS: C07H021-04; A61K038-47; C12P021-02; C12N005-06  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 293 OF 391 USPATFULL on STN  
AN 2002:43588 USPATFULL  
TI Substituted lactams as inhibitors of A beta protein production  
IN Han, Qi, Hockessin, DE, UNITED STATES  
Liu, Hong, Glen Mills, PA, UNITED STATES  
Olson, Richard E., Wilmington, DE, UNITED STATES  
Yang, Michael G., Wilmington, DE, UNITED STATES  
PI US 2002025955 A1 20020228  
US 6632812 B2 20031014  
AI US 2001-832455 A1 20010411 (9)  
PRAI US 2000-196549P 20000411 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 5194  
INCL INCLM: 514/212.040  
INCLS: 514/212.070; 514/212.080; 514/221.000; 540/500.000; 540/522.000;  
540/523.000; 540/524.000  
NCL NCLM: 514/221.000  
NCLS: 540/509.000  
IC [7]  
ICM: A61K031-55  
ICS: A61K031-5513; C07D243-10  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 294 OF 391 USPATFULL on STN  
AN 2002:32581 USPATFULL  
TI Methods to treat alzheimer's disease  
IN Hom, Roy, San Francisco, CA, UNITED STATES  
Mamo, Shumeye S., Oakland, CA, UNITED STATES  
Tung, Jay, Belmont, CA, UNITED STATES  
Gailunas, Andrea, San Francisco, CA, UNITED STATES  
John, Varghese, San Francisco, CA, UNITED STATES  
Fang, Lawrence Y., Foster City, CA, UNITED STATES  
PI US 2002019403 A1 20020214  
AI US 2001-816876 A1 20010323 (9)  
PRAI US 2000-191528P 20000323 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 8655  
INCL INCLM: 514/256.000  
INCLS: 514/519.000; 514/520.000; 514/534.000  
NCL NCLM: 514/256.000  
NCLS: 514/519.000; 514/520.000; 514/534.000  
IC [7]  
ICM: A61K031-505  
ICS: A61K031-275; A61K031-277; A61K031-24  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 295 OF 391 USPATFULL on STN  
AN 2002:28127 USPATFULL  
TI TRANSGENIC ANIMAL EXPRESSING NON-NATIVE WILD-TYPE AND FAMILIAL  
ALZHEIMER'S DISEASE MUTANT PRESENILIN 1 PROTEIN ON NATIVE PRESENILIN 1  
NULL BACKGROUND  
IN ZHENG, HUI, EDISON, NJ, UNITED STATES  
JIANG, PING, PLAINSBORO, NJ, UNITED STATES  
QIAN, SU, SAYREVILLE, NJ, UNITED STATES  
VAN DER PLOEG, LEONARDUS H. T., SCOTCH PLAINS, NJ, UNITED STATES  
WONG, PHILIP CHUN-YING, TIMONIUM, MD, UNITED STATES  
SISODIA, SANGRAM S., CHICAGO, IL, UNITED STATES  
PI US 2002016978 A1 20020207  
US 6452065 B2 20020217



AI US 1998-78871 A1 19980514 (9)  
PRAI US 1998-78465P 19980318 (60)  
US 1997-46488P 19970514 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1262  
INCL INCLM: 800/009.000  
INCLS: 800/012.000; 800/014.000; 800/018.000; 800/025.000; 800/003.000  
NCL NCLM: 800/012.000  
NCLS: 435/029.000; 435/354.000; 800/003.000; 800/018.000; 800/022.000;  
800/025.000

IC [7]  
ICM: A01K067-027  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 296 OF 391 USPATFULL on STN  
AN 2002:17292 USPATFULL  
TI Lactams as inhibitors of A-beta protein production  
IN Thompson, Lorin A., Wilmington, DE, UNITED STATES  
PI US 2002010172 A1 20020124  
US 6495540 B2 20021217  
AI US 2001-817957 A1 20010327 (9)  
PRAI US 2000-192527P 20000328 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1265  
INCL INCLM: 514/212.030  
INCLS: 540/527.000  
NCL NCLM: 514/212.030  
NCLS: 514/212.080; 540/524.000; 540/525.000; 540/527.000

IC [7]  
ICM: A61K031-55  
ICS: C07D223-10  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 297 OF 391 USPATFULL on STN  
AN 2002:16894 USPATFULL  
TI 18036, a novel calpain-like protease and uses thereof  
IN Kapeller-Libermann, Rosana, Chestnut Hill, MA, UNITED STATES  
PA Millennium Pharmaceuticals, Inc. (U.S. corporation)  
PI US 2002009774 A1 20020124  
US 6620592 B2 20030916  
AI US 2001-794960 A1 20010226 (9)  
PRAI US 2000-185333P 20000228 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 3989  
INCL INCLM: 435/069.100  
INCLS: 435/325.000; 435/183.000; 435/320.100; 536/023.100  
NCL NCLM: 435/023.000  
NCLS: 435/219.000; 435/069.100; 435/325.000; 435/320.100; 435/252.300;  
536/023.200

IC [7]  
ICM: C12P021-02  
ICS: C12N005-06; C07H021-04; C12N005-00; C12N009-00  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 298 OF 391 USPATFULL on STN  
AN 2002:16893 USPATFULL  
TI DEATH DOMAIN CONTAINING RECEPTORS  
IN YU, GUO-LIANG, DARNESTOWN, MD, UNITED STATES  
NI, JIAN, ROCKVILLE, MD, UNITED STATES  
GENTZ, REINER L., SILVER SPRING, MD, UNITED STATES  
DILLON, PATRICK J., GAITHERSBURG, MD, UNITED STATES  
PA Human Genome Sciences, Inc. (U.S. corporation)  
PI US 2002009773 A1 20020124  
AI US 1999-333966 A1 19990616 (9)  
RLI Division of Ser. No. US 1997-815469, filed on 11 Mar 1997, GRANTED, Pat.  
No. US 6153402  
PRAI US 1996-13285P 19960312 (60)  
US 1996-28711P 19961017 (60)  
US 1997-37341P 19970206 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 3011  
INCL INCLM: 435/069.100

INCLS: 536/023.500; 435/320.100; 530/325.000; 435/325.000; 530/324.000;  
530/387.900; 514/002.000  
NCL NCLM: 435/069.100  
NCLS: 536/023.500; 435/320.100; 530/325.000; 435/325.000; 530/324.000;  
530/387.900; 514/002.000  
IC [7]  
ICM: A01N037-18  
ICS: A61K038-00; C07H021-04; C12P021-06; C12N015-00; C12N015-09;  
C12N015-63; C12N015-70; C12N015-74; C07K005-00; C07K007-00; C07K016-00;  
C07K017-00; C12N005-00; C12N005-02; C07K001-00; C07K014-00; C12P021-08  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 299 OF 391 USPATFULL on STN  
AN 2002:16872 USPATFULL  
TI Compounds that selectively bind to expanded polyglutamine repeat domains  
and methods of use thereof  
IN Burke, James R., Chapel Hill, NC, UNITED STATES  
Strittmatter, Warren J., Durham, NC, UNITED STATES  
Nagai, Yoshitaka, Osaka, JAPAN  
PI US 2002009752 A1 20020124  
US 6632616 B2 20031014  
AI US 2001-780070 A1 20010209 (9)  
PRAI US 2000-189781P 20000316 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1749  
INCL INCLM: 435/007.100  
INCLS: 530/324.000; 435/325.000  
NCL NCLM: 435/007.100  
NCLS: 435/006.000; 435/004.000; 530/350.000  
IC [7]  
ICM: G01N033-53  
ICS: C12N005-06; C07K007-00; C07K014-00  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 300 OF 391 USPATFULL on STN  
AN 2002:1251 USPATFULL  
TI Lactacystin analogs  
IN Fenteany, Gabriel, Cambridge, MA, United States  
Jamison, Timothy F., Cambridge, MA, United States  
Schreiber, Stuart L., Boston, MA, United States  
Standaert, Robert F., Arlington, MA, United States  
PA President and Fellows of Harvard College, Cambridge, MA, United States  
(U.S. corporation)  
PI US 6335358 B1 20020101  
AI US 1995-421583 19950412 (8)  
DT Utility  
FS GRANTED  
LN.CNT 2285  
INCL INCLM: 514/412.000  
INCLS: 514/210.000; 514/414.000; 514/422.000; 514/424.000; 514/428.000;  
514/439.000; 514/441.000; 514/443.000; 514/444.000; 514/464.000;  
514/465.000; 514/466.000  
NCL NCLM: 514/412.000  
NCLS: 514/192.000; 514/210.050; 514/210.060; 514/414.000; 514/422.000;  
514/424.000; 514/428.000; 514/439.000; 514/441.000; 514/443.000;  
514/444.000; 514/464.000; 514/465.000; 514/466.000  
IC [7]  
ICM: A61K031-36  
ICS: A61K031-385; A61K031-38; A61K031-40  
EXF 514/210; 514/412; 514/414; 514/422; 514/424; 514/428; 514/439; 514/441;  
514/443; 514/444; 514/464; 514/465; 514/466  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 301 OF 391 USPATFULL on STN  
AN 2001:235274 USPATFULL  
TI N-(aryl/heteroarylacetyl) amino acid esters, pharmaceutical compositions  
comprising same, and methods for inhibiting . \*\*\*beta\*\*\* .-  
\*\*\*amyloid\*\*\* peptide release and/or its synthesis by use of such  
compounds  
IN Wu, Jing, San Mateo, CA, United States  
Thorsett, Eugene D., Moss Beach, CA, United States  
Nissen, Jeffrey S., Indianapolis, IN, United States  
Mabry, Thomas E., Indianapolis, IN, United States  
Latimer, Lee H., Oakland, CA, United States

Fang, Lawrence Y., Foster City, CA, United States  
Audia, James E., Indianapolis, IN, United States  
PA Athena Neurosciences, Inc., South San Francisco, CA, United States (U.S. corporation)  
Eli Lilly & Company, Indianapolis, IN, United States (U.S. corporation)  
PI US 6333351 B1 20011225  
AI US 1999-303655 19990503 (9)  
RLI Continuation of Ser. No. US 1997-976179, filed on 21 Nov 1997, now patented, Pat. No. US 6117901  
PRAI US 1996-98551P 19961122 (60)  
US 1996-19790P 19960614 (60)  
DT Utility  
FS GRANTED  
LN.CNT 3252  
INCL INCLM: 514/538.000  
INCLS: 560/037.000; 514/432.000; 514/452.000; 549/023.000; 549/362.000  
NCL NCLM: 514/538.000  
NCLS: 514/432.000; 514/452.000; 549/023.000; 549/362.000; 560/037.000  
IC [7]  
ICM: C07C229-06  
ICS: A61K031-24; A61K031-38; A61K031-335  
EXF 560/37; 514/538; 514/432; 514/452; 549/23; 549/362  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 302 OF 391 USPATFULL on STN  
AN 2001:231155 USPATFULL  
TI Use of small molecule radioligands to discover inhibitors of amyloid-beta peptide production  
IN Zaczek, Robert, 18 Roosevelt Way, Avondale, PA, United States 19311  
Olson, Richard E., 7 Pelham Rd., Wilmington, DE, United States 19803  
Seiffert, Dietmar A., 3719 Highland Dr., Boothwyn, PA, United States 19061  
Thompson, Lorin Andrew, 600 Silverside Rd., Wilmington, DE, United States 19809  
PI US 6331408 B1 20011218  
AI US 1999-438901 19991112 (9)  
PRAI US 1999-131284P 19990427 (60)  
US 1998-108147P 19981112 (60)  
DT Utility  
FS GRANTED  
LN.CNT 3570  
INCL INCLM: 435/023.000  
INCLS: 435/024.000; 435/004.000; 435/968.000  
NCL NCLM: 435/023.000  
NCLS: 435/004.000; 435/024.000; 435/968.000  
IC [7]  
ICM: C12Q001-37  
ICS: C12Q001-00; G01N033-53  
EXF 435/23; 435/24; 435/4; 435/968  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 303 OF 391 USPATFULL on STN  
AN 2001:229689 USPATFULL  
TI Method for treating Alzheimer's disease  
IN Ahn, Kyunghye, Ann Arbor, MI, United States  
Emmerling, Mark Richard, Chelsea, MI, United States  
Haske, Taraneh, Ann Arbor, MI, United States  
Hupe, Donald J., Ann Arbor, MI, United States  
Sebolt-Leopold, Judith, Ann Arbor, MI, United States  
LeVine, Harry, III, Ann Arbor, MI, United States  
Scholten, Jeffrey David, Pinckney, MI, United States  
PI US 2001051642 A1 20011213  
AI US 2001-771529 A1 20010129 (9)  
PRAI US 2000-197484P 20000417 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 729  
INCL INCLM: 514/341.000  
INCLS: 514/314.000; 514/400.000  
NCL NCLM: 514/341.000  
NCLS: 514/314.000; 514/400.000  
IC [7]  
ICM: A61K031-4164  
ICS: A61K031-4439; A61K031-4709  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 304 OF 391 USPATFULL on STN  
 AN 2001:211963 USPATFULL  
 TI Smilagenin and its use  
 IN Xia, Zongqin, Shanghai, China  
 Rubin, Ian, Leicester, Great Britain  
 Whittle, Brian, Hornsea, Great Britain  
 Gunning, Philip, Saffron Walden, Great Britain  
 Hu, Yaer, Shanghai, China  
 Brostoff, Jonathan, London, Great Britain  
 Wang, Weijun, Huntingdon, Great Britain  
 PI US 2001043955 A1 20011122  
 AI US 2001-866234 A1 20010525 (9)  
 RLI Division of Ser. No. US 1999-362328, filed on 28 Jul 1999, GRANTED, Pat.  
 No. US 6258386  
 PRAI GB 1999-5275 19990308  
 DT Utility  
 FS APPLICATION  
 LN.CNT 682  
 INCL INCLM: 424/725.000  
 INCLS: 424/769.000; 514/025.000  
 NCL NCLM: 424/725.000  
 NCLS: 424/769.000; 514/025.000  
 IC [7]  
 ICM: A61K035-78  
 ICS: A61K031-70  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 305 OF 391 USPATFULL on STN  
 AN 2001:208478 USPATFULL  
 TI Modulators of amyloid aggregation  
 IN Findeis, Mark A., Cambridge, MA, United States  
 Benjamin, Howard, Lexington, MA, United States  
 Garnick, Marc B., Brookline, MA, United States  
 Gefter, Malcolm L., Lincoln, MA, United States  
 Hundal, Arvind, Brighton, MA, United States  
 Kasman, Laura, Athens, GA, United States  
 Musso, Gary, Hopkinton, MA, United States  
 Signer, Ethan R., Cambridge, MA, United States  
 Wakefield, James, Brookline, MA, United States  
 Reed, Michael J., Marietta, GA, United States  
 PA Praecis Pharmaceuticals Incorporated, Cambridge, MA, United States (U.S.  
 corporation)  
 PI US 6319498 B1 20011120  
 AI US 1996-617267 19960314 (8)  
 RLI Continuation-in-part of Ser. No. US 1995-548998, filed on 27 Oct 1995,  
 now abandoned Continuation-in-part of Ser. No. US 1995-475579, filed on  
 7 Jun 1995, now patented, Pat. No. US 5854215 Continuation-in-part of  
 Ser. No. US 1995-404831, filed on 14 Mar 1995, now patented, Pat. No. US  
 5817626  
 DT Utility  
 FS GRANTED  
 LN.CNT 4293  
 INCL INCLM: 424/094.300  
 INCLS: 424/094.610; 435/188.000; 435/206.000; 514/007.000; 514/012.000;  
 514/021.000; 530/307.000; 530/324.000; 530/345.000; 530/350.000;  
 530/359.000; 530/382.000; 530/394.000; 530/402.000; 530/410.000  
 NCL NCLM: 424/094.300  
 NCLS: 424/094.610; 435/188.000; 435/206.000; 514/007.000; 514/012.000;  
 514/021.000; 530/307.000; 530/324.000; 530/345.000; 530/350.000;  
 530/359.000; 530/382.000; 530/394.000; 530/402.000; 530/410.000  
 IC [7]  
 ICM: A61K038-02  
 ICS: A61K038-17; C07K001-113; C07K014-47  
 EXF 514/7; 514/12; 514/21; 435/188; 435/206; 424/94.3; 424/94.61; 530/307;  
 530/324; 530/325; 530/326; 530/345; 530/350; 530/359; 530/382; 530/394;  
 530/402; 530/410  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 306 OF 391 USPATFULL on STN  
 AN 2001:197049 USPATFULL  
 TI N(aryl/heteroarylacetyl) amino acid esters, pharmaceutical compositions  
 comprising same, and methods for inhibiting . \*\*\*beta\*\*\* .-  
 \*\*\*amyloid\*\*\* peptide release and/or its synthesis by use of such  
 compounds  
 IN Wu, Jing, San Mateo, CA, United States  
 Thorssett, Eric, San Mateo, CA, United States

Nissen, Jeffrey S., Indianapolis, IN, United States  
 Mabry, Thomas E., Indianapolis, IN, United States  
 Latimer, Lee H., Oakland, CA, United States  
 John, Varghese, San Francisco, CA, United States  
 Fang, Lawrence Y., Foster City, CA, United States  
 Audia, James E., Indianapolis, IN, United States  
 PA Athena Neurosciences, Inc., South San Francisco, CA, United States (U.S. corporation)  
 Eli Lilly and Company, Indianapolis, IN, United States (U.S. corporation)  
 PI US 6313152 B1 20011106  
 AI US 1999-390692 19990907 (9)  
 RLI Division of Ser. No. US 1997-976179, filed on 21 Nov 1997, now patented, Pat. No. US 6117901  
 PRAI US 1996-98551P 19961122 (60)  
 US 1996-19790P 19960614 (60)  
 DT Utility  
 FS GRANTED  
 LN.CNT 3130  
 INCL INCLM: 514/357.000  
 INCLS: 514/375.000; 514/379.000; 514/438.000; 514/439.000; 514/461.000; 514/469.000  
 NCL NCLM: 514/357.000  
 NCLS: 514/375.000; 514/379.000; 514/438.000; 514/439.000; 514/461.000; 514/469.000  
 IC [7]  
 ICM: A61K031-44  
 ICS: A61K031-425  
 EXF 514/357; 514/375; 514/379; 514/438; 514/439; 514/461; 514/469  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 307 OF 391 USPATFULL on STN  
 AN 2001:185101 USPATFULL  
 TI Controlling protein levels in eucaryotic organisms  
 IN Kenten, John H., Boyds, MD, United States  
 Roberts, Steven F., Bethesda, MD, United States  
 PA Proteinex, Inc., Gaithersburg, MD, United States (U.S. corporation)  
 PI US 6306663 B1 20011023  
 AI US 1999-406781 19990928 (9)  
 PRAI US 1999-119851P 19990202 (60)  
 DT Utility  
 FS GRANTED  
 LN.CNT 2668  
 INCL INCLM: 436/501.000  
 INCLS: 424/094.100; 435/004.000; 435/007.720; 435/041.000; 435/106.000; 514/002.000; 530/300.000; 530/350.000; 930/020.000  
 NCL NCLM: 436/501.000  
 NCLS: 424/094.100; 435/004.000; 435/007.720; 435/041.000; 435/106.000; 514/002.000; 530/300.000; 530/350.000; 930/020.000  
 IC [7]  
 ICM: G01N033-566  
 EXF 435/41; 435/106; 435/4; 435/7.72; 436/501; 514/2; 530/300; 530/350; 930/20; 424/94.1  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 308 OF 391 USPATFULL on STN  
 AN 2001:173781 USPATFULL  
 TI Transgenic mouse expressing an APP-FAD DNA sequence  
 IN Hardy, John Anthony, Tampa, FL, United States  
 Chartier-Harlin, Marie-Christine, Villeneuve d'Ascq, France  
 Goate, Alison Mary, St. Louis, MO, United States  
 Owen, Michael John, South Glamorgan, United Kingdom  
 Mullan, Michael John, Tampa, FL, United States  
 PA Elan Pharmaceuticals, Inc., South San Francisco, CA, United States (U.S. corporation)  
 PI US 6300540 B1 20011009  
 AI US 1995-464250 19950605 (8)  
 RLI Continuation of Ser. No. US 104165, now patented, Pat. No. US 5877015  
 PRAI GB 1991-1307 19910121  
 GB 1991-18445 19910828  
 DT Utility  
 FS GRANTED  
 LN.CNT 1358  
 INCL INCLM: 800/018.000  
 INCLS: 800/003.000; 800/012.000  
 NCL NCLM: 800/018.000  
 NCLS: 800/003.000; 800/012.000

NCLS: 800/003.000; 800/012.000  
IC [7]  
ICM: A01K067-027  
ICS: A01K067-033; G01N033-00  
EXF 800/2; 800/DIG.1; 800/3; 800/12; 800/18; 536/23.1  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 309 OF 391 USPATFULL on STN  
AN 2001:163000 USPATFULL  
TI Protein fragment complementation assays for the detection of biological  
or drug interactions  
IN Michnick, Stephen William Watson, Westmount, Canada  
Remy, Ingrid, Montreal, Canada  
PA Odyssey Pharmaceuticals Inc., San Ramon, CA, United States (U.S.  
corporation)  
PI US 6294330 B1 20010925  
AI US 1998-124850 19980730 (9)  
RLI Continuation-in-part of Ser. No. US 1998-17412, filed on 2 Feb 1998  
PRAI CA 1997-2196496 19970131  
DT Utility  
FS GRANTED  
LN.CNT 3238  
INCL INCLM: 435/006.000  
INCLS: 435/069.700; 435/325.000; 435/252.300; 435/254.110; 435/440.000;  
435/455.000; 435/468.000; 435/320.100; 536/023.400; 536/023.500  
NCL NCLM: 435/006.000  
NCLS: 435/069.700; 435/252.300; 435/254.110; 435/320.100; 435/325.000;  
435/440.000; 435/455.000; 435/468.000; 536/023.400; 536/023.500  
IC [7]  
ICM: C12Q001-68  
ICS: C12N005-10; C12N001-21; C12N015-11; C12N015-63  
EXF 435/6; 435/69.7; 435/320.1; 435/325; 435/252.3; 435/254.11; 435/440;  
435/455; 435/468; 536/23.4; 536/23.5  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 310 OF 391 USPATFULL on STN  
AN 2001:158079 USPATFULL  
TI Methods of screening for factors that disrupt neurotrophin conformation  
and reduce neurotrophin biological activity  
IN Riopelle, Richard J., Kingston, Canada  
Ross, Gregory M., Kingston, Canada  
Dory, Magdalena I., Rhisnes, Belgium  
Weaver, Donald F., Kingston, Canada  
Shamovsky, Igor L., Kingston, Canada  
PA Queen's University at Kingston, Kingston, Canada (non-U.S. corporation)  
PI US 6291247 B1 20010918  
AI US 1997-853910 19970509 (8)  
RLI Continuation-in-part of Ser. No. US 1994-241462, filed on 11 May 1994,  
now abandoned Continuation-in-part of Ser. No. US 1996-745608, filed on  
8 Nov 1996, now abandoned  
PRAI CA 1996-2190296 19961112  
DT Utility  
FS GRANTED  
LN.CNT 2529  
INCL INCLM: 436/002.000  
INCLS: 435/007.200; 436/173.000; 436/164.000; 436/161.000; 436/183.000;  
530/402.000; 530/412.000  
NCL NCLM: 436/002.000  
NCLS: 435/007.200; 436/161.000; 436/164.000; 436/173.000; 436/183.000;  
530/402.000; 530/412.000  
IC [7]  
ICM: G01N030-00  
ICS: G01N024-00; G01N033-00; G01N021-00  
EXF 436/501; 436/164; 436/173; 436/183; 436/161; 436/2; 530/412; 530/402;  
435/7.2  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 311 OF 391 USPATFULL on STN  
AN 2001:155460 USPATFULL  
TI Alzheimer's disease secretase, APP substrates therefor, and uses  
therefor  
IN Gurney, Mark E., Grand Rapids, MI, United States  
Bienkowski, Michael J., Portage, MI, United States  
Heinrikson, Robert L., Plainwell, MI, United States  
Parodi, Luis A., Stockholm, Sweden

PA Pharmacia & Upjohn Company (U.S. corporation)  
PI US 2001021391 A1 20010913  
AI US 2001-794743 A1 20010227 (9)  
RLI Continuation of Ser. No. US 1999-416901, filed on 13 Oct 1999, PENDING  
Continuation of Ser. No. US 1999-404133, filed on 23 Sep 1999, PENDING  
Continuation of Ser. No. WO 1999-US20881, filed on 23 Sep 1999, UNKNOWN  
PRAI US 1999-155493P 19990923 (60)  
US 1998-101594P 19980924 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2962  
INCL INCLM: 424/450.000  
INCLS: 435/226.000  
NCL NCLM: 424/450.000  
NCLS: 435/226.000  
IC [7]  
ICM: C12N009-64  
ICS: A61K009-127  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 312 OF 391 USPATFULL on STN  
AN 2001:150648 USPATFULL  
TI N-(ARYL/HETEROARYL) AMINO ACID DERIVATIVES, PHARMACEUTICAL COMPOSITIONS  
COMPRISING SAME, AND METHODS FOR INHIBITING \*\*\*BETA\*\*\* -  
\*\*\*AMYLOID\*\*\* PEPTIDE RELEASE AND/OR ITS SYNTHESIS BY USE OF SUCH  
COMPOUNDS  
IN AUDIA, JAMES E., INDIANAPOLIS, IN, United States  
FOLMER, BEVERLY K., NEWARK, DE, United States  
JOHN, VARGHESE, SAN FRANCISCO, CA, United States  
LATIMER, LEE H., OAKLAND, CA, United States  
NISSEN, JEFFREY S., INDIANAPOLIS, IN, United States  
PORTER, WARREN J., INDIANAPOLIS, IN, United States  
THORSETT, EUGENE D., MOSS BEACH, CA, United States  
WU, JING, SAN MATEO, CA, United States  
PI US 2001020097 A1 20010906  
US 6495693 B2 20021217  
AI US 1999-280966 A1 19990330 (9)  
RLI Continuation of Ser. No. US 1997-976191, filed on 21 Nov 1997, GRANTED,  
Pat. No. US 6096782  
DT Utility  
FS APPLICATION  
LN.CNT 3729  
INCL INCLM: 546/162.000  
INCLS: 514/313.000; 514/367.000; 514/400.000; 514/419.000; 514/616.000;  
514/620.000; 514/506.000; 514/399.000; 560/039.000; 560/043.000;  
560/041.000; 564/156.000; 564/157.000; 564/163.000; 564/168.000;  
548/161.000; 548/178.000; 548/338.100; 548/495.000; 546/163.000  
NCL NCLM: 546/162.000  
NCLS: 546/163.000; 548/161.000; 548/178.000; 548/338.100; 548/495.000;  
560/039.000; 560/041.000; 560/043.000; 564/156.000; 564/157.000;  
564/163.000; 564/168.000  
IC [7]  
ICM: C07D277-82  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 313 OF 391 USPATFULL on STN  
AN 2001:145073 USPATFULL  
TI Alzheimer's disease secretase, APP substrates therefor, and uses  
therefor  
IN Gurney, Mark E., Grand Rapids, MI, United States  
Bienkowski, Michael J., Portage, MI, United States  
Heinrikson, Robert L., Plainwell, MI, United States  
Parodi, Luis A., Stockholm, Sweden  
Yan, Riqiang, Kalamazoo, MI, United States  
PA Pharmacia & Upjohn Company (U.S. corporation)  
PI US 2001018208 A1 20010830  
AI US 2001-795847 A1 20010228 (9)  
RLI Continuation of Ser. No. US 1999-416901, filed on 13 Oct 1999, PENDING  
Continuation of Ser. No. US 1999-404133, filed on 23 Sep 1999, PENDING  
Continuation of Ser. No. WO 1999-US20881, filed on 23 Sep 1999, UNKNOWN  
PRAI US 1999-155493P 19990923 (60)  
US 1998-101594P 19980924 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2995

NCL INCLS: 435/320.100; 536/023.200  
NCLM: 435/325.000  
NCLS: 435/320.100; 536/023.200  
IC [7]  
ICM: C07H021-04  
ICS: C12N005-10  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 314 OF 391 USPATFULL on STN  
AN 2001:139291 USPATFULL  
TI Novel protein and monoclonal \*\*\*antibody\*\*\* specific thereto  
IN seiki, Motoharu, Shinagawa, Japan  
Sato, Hiroshi, Kanazawa, Japan  
Shinagawa, Akira, Takaoka, Japan  
PI US 2001016333 A1 20010823  
AI US 2000-734002 A1 20001212 (9)  
RLI Division of Ser. No. US 1998-41, filed on 20 Feb 1998, GRANTED, Pat. No.  
US 6191255 A 371 of International Ser. No. WO 1996-JP1956, filed on 12  
Jul 1996, UNKNOWN  
PRAI JP 1995-200319 19950714  
JP 1995-200320 19950714  
DT Utility  
FS APPLICATION  
LN.CNT 2744  
INCL INCLM: 435/069.100  
INCLS: 530/324.000; 435/070.100; 435/320.100; 536/023.500  
NCL NCLM: 435/069.100  
NCLS: 530/324.000; 435/070.100; 435/320.100; 536/023.500  
IC [7]  
ICM: C12P021-02  
ICS: C12P021-08; C07H021-04  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 315 OF 391 USPATFULL on STN  
AN 2001:139289 USPATFULL  
TI Serine protease specific monoclonal \*\*\*antibodies\*\*\* and their use  
IN Kominami, Katsuya, Osaka, Japan  
Okui, Akira, Yamatokoriyama-shi, Japan  
Mitsui, Shinichi, Kyoto-shi, Japan  
Yamaguchi, Nozomi, Kyoto-shi, Japan  
PI US 2001016331 A1 20010823  
AI US 2000-741171 A1 20001221 (9)  
RLI Continuation-in-part of Ser. No. WO 1999-JP3578, filed on 2 Jul 1999,  
UNKNOWN  
PRAI JP 1998-187506 19980702  
DT Utility  
FS APPLICATION  
LN.CNT 1613  
INCL INCLM: 435/007.950  
NCL NCLM: 435/007.950  
IC [7]  
ICM: G01N033-53  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 316 OF 391 USPATFULL on STN  
AN 2001:139282 USPATFULL  
TI Alzheimer's disease secretase, APP substrates therefor, and uses  
therefor  
IN Gurney, Mark E., Grand Rapids, MI, United States  
Bienkowski, Michael J., Portage, MI, United States  
Heinrikson, Robert L., Plainwell, MI, United States  
Parodi, Luis A., Stockholm, Sweden  
Yan, Riqiang, Kalamazoo, MI, United States  
PA Pharmacia & Upjohn Company (U.S. corporation)  
PI US 2001016324 A1 20010823  
AI US 2001-794927 A1 20010227 (9)  
RLI Continuation of Ser. No. US 1999-416901, filed on 13 Oct 1999, PENDING  
Continuation of Ser. No. US 1999-404133, filed on 23 Sep 1999, PENDING  
Continuation of Ser. No. WO 1999-US20881, filed on 23 Sep 1999, UNKNOWN  
PRAI US 1999-155493P 19990923 (60)  
US 1998-101594P 19980924 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 5574  
INCL INCLM: 435/007.100



NCL NCLM: 435/007.100  
NCLS: 435/006.000  
IC [7]  
ICM: C12Q001-68  
ICS: G01N033-53

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 317 OF 391 USPATFULL on STN  
AN 2001:134006 USPATFULL  
TI Assay for disease related conformation of a protein and isolating same  
IN Prusiner, Stanley B., San Francisco, CA, United States  
Safar, Jiri G., Concord, CA, United States  
PI US 2001014455 A1 20010816  
US 6406864 B2 20020618  
AI US 2001-754443 A1 20010103 (9)  
RLI Continuation of Ser. No. US 1998-169574, filed on 9 Oct 1998, GRANTED,  
Pat. No. US 6214565  
DT Utility  
FS APPLICATION  
LN.CNT 1618  
INCL INCLM: 435/007.100  
INCLS: 435/068.100  
NCL NCLM: 435/007.100  
NCLS: 424/009.100; 424/130.100; 424/147.100; 435/070.100; 435/071.100;  
436/503.000; 436/518.000; 436/547.000; 530/387.100

IC [7]  
ICM: G01N033-573

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 318 OF 391 USPATFULL on STN  
AN 2001:128901 USPATFULL  
TI 36 \*\*\*human\*\*\* secreted proteins  
IN LaFleur, David W., Washington, DC, United States  
Soppet, Daniel R., Centreville, VA, United States  
Olsen, Henrik, Gaithersburg, MD, United States  
Ruben, Steven M., Olney, MD, United States  
Ni, Jian, Rockville, MD, United States  
Rosen, Craig A., Laytonsville, MD, United States  
Brewer, Laurie A., St. Paul, MN, United States  
Duan, Roxanne, Bethesda, MD, United States  
Ebner, Reinhard, Gaithersburg, MD, United States  
PI US 2001012889 A1 20010809  
AI US 2000-739907 A1 20001220 (9)  
RLI Continuation of Ser. No. US 1999-348457, filed on 7 Jul 1999, ABANDONED  
Continuation-in-part of Ser. No. WO 1999-US108, filed on 6 Jan 1999,  
UNKNOWN  
PRAI US 1998-70704P 19980107 (60)  
US 1998-70658P 19980107 (60)  
US 1998-70692P 19980107 (60)  
US 1998-70657P 19980107 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 10341  
INCL INCLM: 536/023.100  
INCLS: 530/300.000; 530/387.100; 435/006.000; 435/007.100; 435/325.000;  
435/069.100  
NCL NCLM: 536/023.100  
NCLS: 530/300.000; 530/387.100; 435/006.000; 435/007.100; 435/325.000;  
435/069.100

IC [7]  
ICM: C07H021-00  
ICS: A61K038-00; C07K016-00; C12Q001-68; G01N033-53; C12P021-06;  
C12N005-00; C12N005-02

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 319 OF 391 USPATFULL on STN  
AN 2001:125737 USPATFULL  
TI Protein fragment complementation assays for the detection of biological  
or drug interactions  
IN Michnick, Stephen William Watson, Westmount, Canada  
Pelletier, Joelle Nina, Westmount, Canada  
Remy, Ingrid, Montreal, Canada  
PA Odyssey Pharmaceuticals Inc., San Ramon, CA, United States (U.S.  
corporation)  
PI US 6270964 B1 20010807

PRAI CA 1997-2196496 19970131  
DT Utility  
FS GRANTED  
LN.CNT 2701  
INCL INCLM: 435/006.000  
INCLS: 435/069.700; 435/410.000; 435/243.000; 435/325.000; 530/350.000;  
536/023.100; 536/023.400  
NCL NCLM: 435/006.000  
NCLS: 435/069.700; 435/243.000; 435/325.000; 435/410.000; 530/350.000;  
536/023.100; 536/023.400  
IC [7]  
ICM: C12Q001-68  
ICS: C12P021-02; C12N015-52  
EXF 435/6; 435/4; 435/69.7; 435/410; 435/243; 435/325; 530/350; 536/23.4;  
536/23.1  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 320 OF 391 USPATFULL on STN  
AN 2001:117037 USPATFULL  
TI Flourine-substituted biphenyl butyric acids and their derivatives as  
inhibitors of matrix metalloproteinases  
IN Purchase, Jr., Claude Forsey, Ann Arbor, MI, United States  
Roth, Bruce David, Plymouth, MI, United States  
Schielke, Gerald Paul, Ann Arbor, MI, United States  
Walker, Lary Craswell, Ann Arbor, MI, United States  
White, Andrew David, Pinckney, MI, United States  
PA Warner-Lambert, Morris Plains, NJ, United States (U.S. corporation)  
PI US 6265432 B1 20010724  
AI US 2000-503235 20000211 (9)  
RLI Division of Ser. No. US 1999-256714, filed on 24 Feb 1999, now patented,  
Pat. No. US 6169103  
PRAI US 1998-76633P 19980303 (60)  
DT Utility  
FS GRANTED  
LN.CNT 2226  
INCL INCLM: 514/417.000  
INCLS: 514/532.000; 514/522.000; 514/553.000; 514/561.000; 548/477.000;  
560/027.000; 560/035.000; 562/026.000; 562/426.000; 562/440.000  
NCL NCLM: 514/417.000  
NCLS: 514/522.000; 514/532.000; 514/553.000; 514/561.000; 548/477.000;  
560/027.000; 560/035.000; 562/026.000; 562/426.000; 562/440.000  
IC [7]  
ICM: A61K031-40  
ICS: A61K031-275; C07D209-48; C07C229-08; C07C249-10  
EXF 548/477; 514/389; 514/522; 514/561; 514/553; 514/532; 514/417; 562/435;  
558/414  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 321 OF 391 USPATFULL on STN  
AN 2001:112566 USPATFULL  
TI N-(aryl/heteroaryl/alkylacetyl) amino acid amides, pharmaceutical  
compositions comprising same, and methods for inhibiting . \*\*\*beta\*\*\*  
.- \*\*\*amyloid\*\*\* peptide release and/or its synthesis by use of such  
compounds  
IN Wu, Jing, San Mateo, CA, United States  
Tung, Jay S., Belmont, CA, United States  
Nissen, Jeffrey S., Indianapolis, IN, United States  
Mabry, Thomas E., Indianapolis, IN, United States  
Latimer, Lee H., Oakland, CA, United States  
Eid, Clark N., Cheshire, CT, United States  
Audia, James E., Indianapolis, IN, United States  
PA Elan Pharmaceuticals, Inc., S. San Francisco, CA, United States (U.S.  
corporation)  
Eli Lilly & Company, Indianapolis, IN, United States (U.S. corporation)  
PI US 6262302 B1 20010717  
AI US 1999-398211 19990917 (9)  
RLI Continuation of Ser. No. US 1997-976295, filed on 21 Nov 1997, now  
patented, Pat. No. US 6153652  
PRAI US 1996-98551P 19961122 (60)  
US 1997-113671P 19970228 (60)  
DT Utility  
FS GRANTED  
LN.CNT 4050  
INCL INCLM: 564/152.000  
INCLS: 564/155.000; 564/158.000; 564/168.000; 560/039.000; 560/041.000;  
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NCL NCLM: 548/475.000; 546/309.000; 514/349.000; 514/352.000; 514/357.000;  
514/417.000; 514/470.000; 514/535.000; 514/539.000; 514/619.000  
NCLS: 564/152.000  
546/309.000; 548/471.000; 548/475.000; 549/303.000; 549/304.000;  
560/039.000; 560/041.000; 560/042.000; 560/043.000; 564/155.000;  
564/158.000; 564/168.000

IC [7]

ICM: C07C229-38

ICS: C07C233-64; C07D307-00; C07D211-00; C07D213-00

EXF 560/43; 560/45; 560/47; 560/39; 560/41; 560/42; 514/349; 514/352;  
514/357; 514/417; 514/470; 514/535; 514/539; 514/619; 564/152; 564/168;  
564/155; 564/158; 549/303; 549/304; 548/471; 548/475; 546/309

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 322 OF 391 USPATFULL on STN

AN 2001:107472 USPATFULL

TI Smilagenin and its use

IN Xia, Zongqin, Shanghai, China

Rubin, Ian, Castle Donington, United Kingdom

Whittle, Brian, Hornsea, United Kingdom

Gunning, Philip, Saffron Walden, United Kingdom

Hu, Yaer, Shanghai, China

Brostoff, Jonathan, London, United Kingdom

Wang, Weijun, Huntingdon, United Kingdom

PA Phytopharm PLC, Cambridgeshire, United Kingdom (non-U.S. corporation)

PI US 6258386 B1 20010710

AI US 1999-362328 19990728 (9)

PRAI GB 1999-5275 19990308

DT Utility

FS GRANTED

LN.CNT 550

INCL INCLM: 424/725.000

NCL NCLM: 424/725.000

IC [7]

ICM: A61K035-78

EXF 424/195.1; 424/725

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 323 OF 391 USPATFULL on STN

AN 2001:86665 USPATFULL

TI Transgenic rodent comprising APP-Swedish

IN McLonogue, Lisa C., San Francisco, CA, United States

Zhao, Jun, La Jolla, CA, United States

Sinha, Sukanto, San Francisco, CA, United States

PA Elan Pharmaceuticals, Inc., South San Francisco, CA, United States (U.S. corporation)

PI US 6245964 B1 20010612

AI US 1998-209647 19981210 (9)

RLI Continuation of Ser. No. US 1997-785943, filed on 22 Jan 1997, now  
patented, Pat. No. US 5850003 Continuation of Ser. No. US 1993-148211,  
filed on 1 Nov 1993, now patented, Pat. No. US 5612486  
Continuation-in-part of Ser. No. US 1993-143697, filed on 27 Oct 1993,  
now patented, Pat. No. US 5604102

DT Utility

FS GRANTED

LN.CNT 2117

INCL INCLM: 800/012.000

INCLS: 800/003.000; 800/014.000; 800/018.000; 800/022.000

NCL NCLM: 800/012.000

NCLS: 800/003.000; 800/014.000; 800/018.000; 800/022.000

IC [7]

ICM: A01K067-00

ICS: A01K067-027; G01N033-00; C12N015-00

EXF 800/3; 800/12; 800/14; 800/18; 800/22; 424/9.1

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 324 OF 391 USPATFULL on STN

AN 2001:71330 USPATFULL

TI Recombinant helix modification recognition proteins and uses thereof

IN Kmiec, Eric B., Malvern, PA, United States

Holloman, William K., Yorktown Heights, NY, United States

Gerhold, David, Lansdale, PA, United States

PA Thomas Jefferson University, Philadelphia, PA, United States (U.S. corporation)

PI US 6232095 B1 20010515

DT Utility  
FS Granted  
LN.CNT 1621  
INCL INCLM: 435/069.100  
INCLS: 435/320.100; 435/325.000; 435/069.700; 435/252.300; 536/023.400;  
536/023.740; 530/350.000; 530/371.000  
NCL NCLM: 435/069.100  
NCLS: 435/069.700; 435/252.300; 435/320.100; 435/325.000; 530/350.000;  
530/371.000; 536/023.400; 536/023.740  
IC [7]  
ICM: C12N015-00  
ICS: C12N015-63; C12N001-20; C12N015-85; C07H021-04; C07K014-00  
EXF 435/6; 435/252.3; 435/69.1; 435/69.7; 435/325; 435/320.1; 530/350;  
530/371; 530/387.1; 536/23.1; 536/23.4; 536/23.74; 424/130.1  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 325 OF 391 USPATFULL on STN  
AN 2001:59689 USPATFULL  
TI Method and composition for modulating amyloidosis  
IN Reiner, Peter B., Vancouver, Canada  
Connop, Bruce P., Vancouver, Canada  
PA The University of British Columbia, Vancouver, British Columbia, United  
States (non-U.S. corporation)  
PI US 6221667 B1 20010424  
AI US 1999-383317 19990825 (9)  
RLI Continuation of Ser. No. US 1998-80141, filed on 15 May 1998, now  
patented, Pat. No. US 5981168  
DT Utility  
FS Granted  
LN.CNT 982  
INCL INCLM: 435/975.000  
INCLS: 435/004.000; 514/741.000  
NCL NCLM: 514/248.000  
NCLS: 435/004.000; 514/231.500; 514/255.010; 514/255.060; 514/313.000;  
514/352.000; 514/370.000; 514/383.000; 514/415.000; 514/447.000;  
514/741.000  
IC [7]  
ICM: G01N033-53  
ICS: C12Q001-00  
EXF 435/975; 435/4; 514/741  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 326 OF 391 USPATFULL on STN  
AN 2001:56082 USPATFULL  
TI Amyloid .beta. protein (globular assembly and uses thereof)  
IN Krafft, Grant A., Glenview, IL, United States  
Klein, William L., Winnetka, IL, United States  
Chromy, Brett A., Evanston, IL, United States  
Lambert, Mary P., Glenview, IL, United States  
Finch, Caleb E., Altadena, CA, United States  
Morgan, Todd, Manhattan Beach, CA, United States  
Wals, Pat, Los Angeles, CA, United States  
Rozovsky, Irina, Pasadena, CA, United States  
Barlow, Ann, Evanston, IL, United States  
PA Northwestern University, Evanston, IL, United States (U.S. corporation)  
University of Southern California, Los Angeles, CA, United States (U.S.  
corporation)  
PI US 6218506 B1 20010417  
AI US 1997-796089 19970205 (8)  
DT Utility  
FS Granted  
LN.CNT 941  
INCL INCLM: 530/324.000  
INCLS: 530/350.000; 514/012.000; 436/086.000  
NCL NCLM: 530/324.000  
NCLS: 436/086.000; 530/350.000  
IC [7]  
ICM: A61K038-16  
ICS: C07K014-435  
EXF 530/324; 530/350; 514/12; 436/86  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 327 OF 391 USPATFULL on STN  
AN 2001:52086 USPATFULL  
TI Lactacystin analogs

Jamison, Timothy F., Cambridge, MA, United States  
 Schreiber, Stuart L., Boston, MA, United States  
 Standaert, Robert F., Arlington, MA, United States  
 PA President and Fellows of Harvard College, Cambridge, MA, United States  
 (U.S. corporation)  
 PI US 6214862 B1 20010410  
 AI US 1997-937228 19970911 (8)  
 RLI Continuation of Ser. No. US 1995-421583, filed on 12 Apr 1995  
 DT Utility  
 FS Granted  
 LN.CNT 2249  
 INCL INCLM: 514/423.000  
 INCLS: 514/369.000; 514/370.000; 514/371.000; 514/376.000; 514/377.000;  
 514/365.000; 514/445.000; 514/446.000; 514/448.000; 514/439.000;  
 514/441.000; 514/440.000; 514/473.000; 514/452.000  
 NCL NCLM: 514/423.000  
 NCLS: 514/365.000; 514/369.000; 514/370.000; 514/371.000; 514/376.000;  
 514/377.000; 514/439.000; 514/440.000; 514/441.000; 514/445.000;  
 514/446.000; 514/448.000; 514/452.000; 514/473.000  
 IC [7]  
 ICM: A01N043-36  
 ICS: A01N043-78; A01N043-76; A01N043-06  
 EXF 514/423; 514/369; 514/370; 514/371; 514/376; 514/377; 514/365; 514/445;  
 514/446; 514/448; 514/439; 514/441; 514/440; 514/473; 514/452  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 328 OF 391 USPATFULL on STN  
 AN 2001:51789 USPATFULL  
 TI Assay for disease related conformation of a protein and isolating same  
 IN Prusiner, Stanley B., San Francisco, CA, United States  
 Safar, Jiri G., Concord, CA, United States  
 PA The Regents of the University of California, Oakland, CA, United States  
 (U.S. corporation)  
 PI US 6214565 B1 20010410  
 AI US 1998-169574 19981009 (9)  
 DT Utility  
 FS Granted  
 LN.CNT 1675  
 INCL INCLM: 435/007.100  
 INCLS: 435/070.100; 435/071.100; 424/009.100; 424/130.100; 424/147.100;  
 436/503.000; 436/518.000; 436/547.000; 530/387.100  
 NCL NCLM: 435/007.100  
 NCLS: 424/009.100; 424/130.100; 424/147.100; 435/070.100; 435/071.100;  
 436/503.000; 436/518.000; 436/547.000; 530/387.100  
 IC [7]  
 ICM: G01N033-53  
 ICS: G01N033-567; C12P021-04; A61K049-00; C07K016-00  
 EXF 424/9.1; 424/130.1; 424/147.1; 435/7.1; 435/70.1; 435/71.1; 530/387.1;  
 436/518; 436/503; 436/547  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 329 OF 391 USPATFULL on STN  
 AN 2001:48108 USPATFULL  
 TI Compounds for inhibiting . \*\*\*beta\*\*\* .- \*\*\*amyloid\*\*\* peptide  
 release and/or its synthesis  
 IN Wu, Jing, San Mateo, CA, United States  
 Tung, Jay S., Belmont, CA, United States  
 Thorsett, Eugene D., Moss Beach, CA, United States  
 Reel, Jon K., Carmel, IN, United States  
 Porter, Warren J., Indianapolis, IN, United States  
 Nissen, Jeffrey S., Indianapolis, IN, United States  
 Mabry, Thomas E., Indianapolis, IN, United States  
 Latimer, Lee H., Oakland, CA, United States  
 John, Varghese, San Francisco, CA, United States  
 Folmer, Beverly K., Newark, DE, United States  
 Droste, James J., Indianapolis, IN, United States  
 Britton, Thomas C., Carmel, IN, United States  
 Audia, James E., Indianapolis, IN, United States  
 PA Elan Pharmaceuticals, Inc., South San Francisco, CA, United States (U.S.  
 corporation)  
 Eli Lilly & Company, Indianapolis, IL, United States (U.S. corporation)  
 PI US 6211235 B1 20010403  
 AI US 1998-164448 19980930 (9)  
 RLI Continuation-in-part of Ser. No. US 1997-976289, filed on 21 Nov 1997  
 PRAI US 1996-108166P 19961122 (60)  
 US 1997-048500 19970328 (60)

US 1997-98558P 19970228 (60)  
DT Utility  
FS Granted  
LN.CNT 14056  
INCL INCLM: 514/534.000  
INCLS: 574/619.000; 560/041.000; 560/040.000; 564/163.000  
NCL NCLM: 514/534.000  
NCLS: 514/019.000; 514/619.000; 544/162.000; 546/233.000; 546/336.000;  
548/479.000; 548/496.000; 560/040.000; 560/041.000; 564/163.000  
IC [7]  
ICM: A01N037-12  
ICS: C07C229-00; C07C233-00  
EXF 514/534; 514/619; 564/163; 560/40; 560/41  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 330 OF 391 USPATFULL on STN  
AN 2001:47793 USPATFULL  
TI Genetic sequences and proteins related to alzheimer's disease  
IN St. George-Hyslop, Peter H., Toronto, Canada  
Rommens, Johanna M., Toronto, Canada  
Fraser, Paul E., Toronto, Canada  
PA HSC Research and Development Limited Partnership, Toronto, Canada  
(non-U.S. corporation)  
PI US 6210919 B1 20010403  
AI US 1995-496841 19950628 (8)  
RLI Continuation-in-part of Ser. No. US 1995-431048, filed on 28 Apr 1995  
DT Utility  
FS Granted  
LN.CNT 2533  
INCL INCLM: 435/069.100  
INCLS: 536/023.500; 536/023.100; 435/320.100; 435/325.000; 435/455.000;  
530/350.000  
NCL NCLM: 435/069.100  
NCLS: 435/320.100; 435/325.000; 435/455.000; 530/350.000; 536/023.100;  
536/023.500  
IC [7]  
ICM: C12N015-63  
ICS: C07H021-04; C07K014-47  
EXF 536/23.5; 435/6; 435/69.1; 435/172.1; 435/172.3; 435/325; 435/375;  
435/320.1; 435/455; 800/2; 800/DIG.1; 530/350  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 331 OF 391 USPATFULL on STN  
AN 2001:44268 USPATFULL  
TI Compounds for inhibiting . \*\*\*beta\*\*\* .- \*\*\*amyloid\*\*\* peptide  
release and/or its synthesis  
IN Audia, James E., Indianapolis, IN, United States  
Britton, Thomas C., Carmel, IN, United States  
Droste, James J., Indianapolis, IN, United States  
Folmer, Beverly K., Newark, DE, United States  
Huffman, George W., Carmel, IN, United States  
John, Varghese, San Francisco, CA, United States  
Latimer, Lee H., Oakland, CA, United States  
Mabry, Thomas E., Indianapolis, IN, United States  
Nissen, Jeffrey S., Indianapolis, IN, United States  
Porter, Warren J., Indianapolis, IN, United States  
Reel, Jon K., Carmel, IN, United States  
Thorsett, Eugene D., Moss Beach, CA, United States  
Tung, Jay S., Belmont, CA, United States  
Wu, Jing, San Mateo, CA, United States  
PA Elan Pharmaceuticals, Inc., South San Francisco, CA, United States (U.S.  
corporation)  
Eli Lilly & Company, Indianapolis, IN, United States (U.S. corporation)  
PI US 6207710 B1 20010327  
AI US 1998-164385 19980930 (9)  
RLI Continuation-in-part of Ser. No. US 1997-976289, filed on 21 Nov 1997  
PRAI US 1996-108166P 19961122 (60)  
US 1997-64859P 19970228 (60)  
US 1997-108161P 19970228 (60)  
US 1997-98558P 19970228 (60)  
DT Utility  
FS Granted  
LN.CNT 12026  
INCL INCLM: 514/551.000  
INCLS: 514/534.000; 514/563.000; 560/037.000; 560/038.000; 560/040.000;  
560/041.000; 564/163.000; 564/165.000

NCL NCLM: 514/551.000  
NCLS: 514/534.000; 514/563.000; 530/331.000; 560/037.000; 560/038.000;  
560/040.000; 560/041.000; 564/123.000; 564/155.000  
IC [7]  
ICM: A01N037-12  
ICS: C07C229-00; C07C233-00  
EXF 514/551; 514/534; 514/563; 560/37; 560/38; 560/40; 560/41; 564/123;  
564/155  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 332 OF 391 USPATFULL on STN  
AN 2001:29306 USPATFULL  
TI Methods for determining risk of developing alzheimer's disease by  
detecting mutations in the presenilin 1 (PS-1) gene  
IN St. George-Hyslop, Peter H., Toronto, Canada  
Rommens, Johanna M., Toronto, Canada  
Fraser, Paul E., Toronto, Canada  
PA The Hospital for Sick Children, HSC Research and Development Limited  
Partnership, Canada (non-U.S. corporation)  
The Governing Council of the University of Toronto, Canada (non-U.S.  
corporation)  
PI US 6194153 B1 20010227  
AI US 1998-127480 19980731 (9)  
RLI Division of Ser. No. US 1996-592541, filed on 26 Jan 1996, now patented,  
Pat. No. US 5986054 Continuation-in-part of Ser. No. US 1995-509359,  
filed on 31 Jul 1995 Continuation-in-part of Ser. No. US 1995-496841,  
filed on 28 Jun 1995 Continuation-in-part of Ser. No. US 1995-431048,  
filed on 28 Apr 1995  
DT Utility  
FS Granted  
LN.CNT 4255  
INCL INCLM: 435/006.000  
INCLS: 435/007.100; 435/091.200; 536/023.500; 536/024.310; 536/024.330  
NCL NCLM: 435/006.000  
NCLS: 435/007.100; 435/091.200; 536/023.500; 536/024.310; 536/024.330  
IC [7]  
ICM: C12Q001-68  
ICS: C12P019-34; C07H021-04  
EXF 435/6; 435/91.2; 435/7.1; 536/21.31; 536/24.33; 536/23.5  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 333 OF 391 USPATFULL on STN  
AN 2001:26018 USPATFULL  
TI Protein and monoclonal \*\*\*antibody\*\*\* specific thereto  
IN Seiki, Motoharu, Shinagawa, Japan  
Sato, Hiroshi, Kanazawa, Japan  
Shinagawa, Akira, Takaoka, Japan  
PA Fuji Yakuhin Kogyo Kabushiki Kaisha, Toyama, Japan (non-U.S.  
corporation)  
PI US 6191255 B1 20010220  
WO 9704080 19970206  
AI US 1998-41 19980220 (9)  
WO 1996-JP1956 19960712  
19980220 PCT 371 date  
19980220 PCT 102(e) date  
PRAI JP 1995-200319 19950714  
JP 1995-200320 19950714  
DT Utility  
FS Granted  
LN.CNT 2653  
INCL INCLM: 530/324.000  
INCLS: 530/400.000; 536/023.200; 536/023.500; 536/024.310; 435/069.100;  
435/320.100; 435/325.000  
NCL NCLM: 530/324.000  
NCLS: 435/069.100; 435/320.100; 435/325.000; 530/400.000; 536/023.200;  
536/023.500; 536/024.310  
IC [7]  
ICM: A61K038-43  
ICS: C07K001-00; C07H021-04  
EXF 530/324; 530/400; 536/23.5; 536/23.2; 536/24.31; 435/69.1; 435/320.1;  
435/325  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 334 OF 391 USPATFULL on STN  
AN 2001:25931 USPATFULL  
TI \*\*\*antibody\*\*\* specific thereto  
IN Seiki, Motoharu, Shinagawa, Japan  
Sato, Hiroshi, Kanazawa, Japan  
Shinagawa, Akira, Takaoka, Japan  
PA Fuji Yakuhin Kogyo Kabushiki Kaisha, Toyama, Japan (non-U.S.  
corporation)  
PI US 6191255 B1 20010220  
WO 9704080 19970206  
AI US 1998-41 19980220 (9)  
WO 1996-JP1956 19960712  
19980220 PCT 371 date  
19980220 PCT 102(e) date  
PRAI JP 1995-200319 19950714  
JP 1995-200320 19950714  
DT Utility  
FS Granted  
LN.CNT 2653  
INCL INCLM: 530/324.000  
INCLS: 530/400.000; 536/023.200; 536/023.500; 536/024.310; 435/069.100;  
435/320.100; 435/325.000  
NCL NCLM: 530/324.000  
NCLS: 435/069.100; 435/320.100; 435/325.000; 530/400.000; 536/023.200;  
536/023.500; 536/024.310  
IC [7]  
ICM: A61K038-43  
ICS: C07K001-00; C07H021-04  
EXF 530/324; 530/400; 536/23.5; 536/23.2; 536/24.31; 435/69.1; 435/320.1;  
435/325  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

peptide release and/or its synthesis  
IN Audia, James E., Indianapolis, IN, United States  
Britton, Thomas C., Carmel, IN, United States  
Droste, James J., Indianapolis, IN, United States  
Folmer, Beverly K., Newark, DE, United States  
Huffman, George W., Carmel, IN, United States  
Varghese, John, San Francisco, CA, United States  
Latimer, Lee H., Oakland, CA, United States  
Mabry, Thomas E., Indianapolis, IN, United States  
Nissen, Jeffrey S., Indianapolis, IN, United States  
Porter, Warren J., Indianapolis, IN, United States  
Reel, Jon K., Carmel, IN, United States  
Thorsett, Eugene D., Moss Beach, CA, United States  
Tung, Jay S., Belmont, CA, United States  
Wu, Jing, San Mateo, CA, United States  
Eid, Clark Norman, Cheshire, CT, United States  
Scott, William Leonard, Indianapolis, IN, United States  
PA Elan Pharmaceuticals, Inc., South San Francisco, CA, United States (U.S. corporation)  
Eli Lilly & Company, Indianapolis, IN, United States (U.S. corporation)  
PI US 6191166 B1 20010220  
AI US 1997-976289 19971121 (8)  
PRAI US 1996-108166P 19961122 (60)  
US 1997-64859P 19970228 (60)  
US 1997-108161P 19970228 (60)  
US 1997-698556P 19970228 (60)  
DT Utility  
FS Granted  
LN.CNT 12827  
INCL INCLM: 514/534.000  
INCLS: 514/535.000; 514/616.000; 514/619.000  
NCL NCLM: 514/534.000  
NCLS: 514/535.000; 514/616.000; 514/619.000  
IC [7]  
ICM: A01N037-12  
EXF 574/534; 574/535; 574/616; 574/619  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 335 OF 391 USPATFULL on STN  
AN 2001:14622 USPATFULL  
TI Peptide nucleic acid conjugates  
IN Wickstrom, Eric, Philadelphia, PA, United States  
Basu, Soumitra, New Haven, CT, United States  
PA Thomas Jefferson University, Philadelphia, PA, United States (U.S. corporation)  
PI US 6180767 B1 20010130  
AI US 1997-779072 19970107 (8)  
PRAI US 1996-9747P 19960111 (60)  
DT Utility  
FS Granted  
LN.CNT 1510  
INCL INCLM: 536/022.100  
INCLS: 435/006.000; 536/023.100; 536/025.300; 536/025.310; 536/025.320;  
536/025.330; 536/025.340  
NCL NCLM: 536/022.100  
NCLS: 435/006.000; 536/023.100; 536/025.300; 536/025.310; 536/025.320;  
536/025.330; 536/025.340  
IC [7]  
ICM: C07H019-00  
ICS: C07H021-02; C07H021-00; C07H021-04  
EXF 536/22.1; 536/23.1; 536/25.3; 536/25.31; 536/25.32; 536/25.33;  
536/25.34; 435/6  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 336 OF 391 USPATFULL on STN  
AN 2001:14261 USPATFULL  
TI Antisense inhibition of tumor necrosis factor alpha converting enzyme (TACE) expression  
IN Flournoy, Shin Cheng, San Diego, CA, United States  
Bennett, C. Frank, Carlsbad, CA, United States  
PA Isis Pharmaceuticals Inc., Carlsbad, CA, United States (U.S. corporation)  
PI US 6180403 B1 20010130  
AI US 1999-429093 19991028 (9)  
DT Utility  
FS



LN.CNT 1609  
INCL INCLM: 435/375.000  
INCLS: 435/366.000; 435/006.000; 435/091.100; 435/325.000; 536/023.100;  
536/024.310; 536/024.330; 536/024.500  
NCL NCLM: 435/375.000  
NCLS: 435/006.000; 435/091.100; 435/325.000; 435/366.000; 536/023.100;  
536/024.310; 536/024.330; 536/024.500  
IC [7]  
ICM: C07H021-04  
ICS: C12N015-00; C12Q001-68  
EXF 435/6; 435/91.1; 435/91.3; 435/375; 435/325; 536/23.1; 536/23.2;  
536/24.5; 536/24.3; 536/24.33; 536/24.31; 514/44  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 337 OF 391 USPATFULL on STN  
AN 2001:8029 USPATFULL  
TI Neurotrophic peptides of activity dependent neurotrophic factor  
IN Brenneman, Douglas E., Damascus, MD, United States  
PA Ramot University Authority for Applied Research and Industrial  
Development, Ltd., Tel Aviv, Israel (non-U.S. corporation)  
The United States of America as represented by the Department of Health  
and Human Services, Washington, DC, United States (U.S. government)  
PI US 6174862 B1 20010116  
AI US 1994-324297 19941017 (8)  
RLI Continuation-in-part of Ser. No. US 1992-871973, filed on 22 Apr 1992,  
now patented, Pat. No. US 5767240 Continuation-in-part of Ser. No. US  
1991-688087, filed on 22 Apr 1991, now abandoned  
DT Utility  
FS Granted  
LN.CNT 1591  
INCL INCLM: 514/015.000  
INCLS: 514/012.000; 514/013.000; 514/014.000; 530/326.000; 530/327.000;  
530/328.000; 530/324.000  
NCL NCLM: 514/015.000  
NCLS: 514/012.000; 514/013.000; 514/014.000; 530/324.000; 530/326.000;  
530/327.000; 530/328.000  
IC [7]  
ICM: A61K038-08  
ICS: A61K038-10; A61K038-17  
EXF 514/12-15; 530/324; 530/326-328  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 338 OF 391 USPATFULL on STN  
AN 2001:4717 USPATFULL  
TI Treatments for neurotoxicity in Alzheimer's disease caused by .  
\*\*\*beta\*\*\* . \*\*\*amyloid\*\*\* peptides  
IN Ingram, Vernon M., Cambridge, MA, United States  
Blanchard, Barbara J., Cambridge, MA, United States  
PA Massachusetts Institute of Technology, Cambridge, MA, United States  
(U.S. corporation)  
PI US 6172043 B1 20010109  
AI US 1998-5215 19980109 (9)  
RLI Continuation-in-part of Ser. No. US 1997-960188, filed on 29 Oct 1997,  
now abandoned  
PRAI US 1997-35847P 19970110 (60)  
DT Patent  
FS Granted  
LN.CNT 1822  
INCL INCLM: 514/017.000  
INCLS: 514/013.000; 514/014.000; 514/015.000; 514/016.000; 530/325.000;  
530/326.000; 530/327.000; 530/328.000; 530/329.000; 530/330.000  
NCL NCLM: 514/017.000  
NCLS: 514/013.000; 514/014.000; 514/015.000; 514/016.000; 530/325.000;  
530/326.000; 530/327.000; 530/328.000; 530/329.000; 530/330.000  
IC [7]  
ICM: A61K038-04  
ICS: C07K007-00  
EXF 530/325-330; 514/13-17  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 339 OF 391 USPATFULL on STN  
AN 2001:1790 USPATFULL  
TI Fluorine-substituted biphenyl butyric acids and their derivatives as  
inhibitors of matrix metalloproteinases  
IN Purchase, Jr., Claude Forsey, Ann Arbor, MI, United States  
Puthan, S. J., Ann Arbor, MI, United States

Schielke, Gerald Paul, Ann Arbor, MI, United States  
 Walker, Lary Craswell, Ann Arbor, MI, United States  
 White, Andrew David, Pinckney, MI, United States  
 Warner-Lambert, Morris Plains, NJ, United States (U.S. corporation)  
 PA US 6169103 B1 20010102  
 AI US 1999-256714 19990224 (9)  
 PRAI US 1998-76633P 19980303 (60)  
 DT Utility  
 FS Granted  
 LN.CNT 2031  
 INCL INCLM: 514/389.000  
 INCLS: 514/389.000; 514/522.000; 514/419.000; 514/567.000; 558/414.000;  
 548/494.000; 548/319.500; 548/477.000; 560/035.000; 562/492.000  
 NCL NCLM: 514/389.000  
 NCLS: 514/419.000; 514/522.000; 514/567.000; 548/319.500; 548/477.000;  
 548/494.000; 558/414.000; 560/035.000; 562/492.000  
 IC [7]  
 ICM: A61K031-40  
 ICS: A61K031-275; C07D209-48  
 EXF 558/414; 548/319.5; 548/494; 548/477; 548/479; 562/440; 560/35; 514/425;  
 514/522; 514/555; 514/389; 514/419; 514/417; 514/567  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 340 OF 391 USPATFULL on STN  
 AN 2000:161048 USPATFULL  
 TI N-(aryl/heteroaryl/alkylacetyl) amino acid amides, pharmaceutical  
 compositions comprising same, and methods for inhibiting . \*\*\*beta\*\*\*  
 .- \*\*\*amyloid\*\*\* peptide release and/or its synthesis by use of such  
 compounds  
 IN Wu, Jing, San Mateo, CA, United States  
 Tung, Jay S., Belmont, CA, United States  
 Nissen, Jeffrey S., Indianapolis, IN, United States  
 Mabry, Thomas E., Indianapolis, IN, United States  
 Latimer, Lee H., Oakland, CA, United States  
 Eid, Clark N., Cheshire, CT, United States  
 Audia, James E., Indianapolis, IN, United States  
 PA Elan Pharmaceuticals, Inc., South San Francisco, CA, United States (U.S.  
 corporation)  
 Eli Lilly & Company, Indianapolis, IN, United States (U.S. corporation)  
 PI US 6153652 20001128  
 AI US 1997-976295 19971121 (8)  
 PRAI US 1996-1551P 19961122 (60)  
 US 1997-113671P 19970228 (60)  
 DT Utility  
 FS Granted  
 LN.CNT 3652  
 INCL INCLM: 514/619.000  
 INCLS: 514/349.000; 514/352.000; 514/357.000; 514/417.000; 514/470.000;  
 514/535.000; 514/539.000; 546/309.000; 548/471.000; 548/475.000;  
 549/303.000; 549/304.000; 560/039.000; 560/041.000; 560/042.000;  
 560/043.000; 564/152.000; 564/155.000; 564/158.000; 564/168.000  
 NCL NCLM: 514/619.000  
 NCLS: 514/349.000; 514/352.000; 514/357.000; 514/417.000; 514/470.000;  
 514/535.000; 514/539.000; 546/309.000; 548/471.000; 548/475.000;  
 549/303.000; 549/304.000; 560/039.000; 560/041.000; 560/042.000;  
 560/043.000; 564/152.000; 564/155.000; 564/158.000; 564/168.000  
 IC [7]  
 ICM: A01N037-18  
 ICS: A01N037-12; A01N037-44; A61K031-165  
 EXF 564/155; 564/158; 564/152; 564/168; 546/309; 548/471; 548/475; 549/303;  
 549/304; 560/39; 560/41; 560/42; 560/43; 514/349; 514/352; 514/357;  
 514/417; 514/470; 514/535; 514/539; 514/619  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 341 OF 391 USPATFULL on STN  
 AN 2000:160799 USPATFULL  
 TI Death domain containing receptors  
 IN Yu, Guo-Liang, Darnestown, MD, United States  
 Ni, Jian, Rockville, MD, United States  
 Gentz, Reiner L., Silver Spring, MD, United States  
 Dillon, Patrick J., Gaithersburg, MD, United States  
 PA Human Genome Sciences, Inc., Rockville, MD, United States (U.S.  
 corporation)  
 PI US 6153402 20001128  
 AI US 1997-815469 19970311 (8)  
 PRAI US 1996-133858 19960312 (60)

US 1996-28711P 19961017 (60)  
US 1997-37341P 19970206 (60)  
DT Utility  
FS Granted  
LN.CNT 3364  
INCL INCLM: 435/069.100  
INCLS: 435/252.300; 435/320.100; 536/023.500  
NCL NCLM: 435/069.100  
NCLS: 435/252.300; 435/320.100; 536/023.500  
IC [7]  
ICM: C12N015-12  
EXF 435/69.1; 435/325; 435/252.3; 536/23.5; 530/350  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 342 OF 391 USPATFULL on STN  
AN 2000:153855 USPATFULL  
TI Lactacystin analogs  
IN Fenteany, Gabriel, Cambridge, MA, United States  
Jamison, Timothy F., Cambridge, MA, United States  
Schreiber, Stuart L., Boston, MA, United States  
Standaert, Robert F., Arlington, MA, United States  
PA President and Fellows of Harvard College, Cambridge, MA, United States  
(U.S. corporation)  
PI US 6147223 20001114  
AI US 1995-468408 19950606 (8)  
RLI Division of Ser. No. US 1995-421583, filed on 12 Apr 1995  
DT Utility  
FS Granted  
LN.CNT 2354  
INCL INCLM: 548/453.000  
NCL NCLM: 548/453.000  
IC [7]  
ICM: C07D491-044  
EXF 548/453; 540/203  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 343 OF 391 USPATFULL on STN  
AN 2000:121621 USPATFULL  
TI Presenilin-2 and mutations thereof  
IN St. George-Hyslop, Peter H., Toronto, Canada  
Rommens, Johanna M., Toronto, Canada  
Fraser, Paul E., Toronto, Canada  
PA The Governing Council of the University of Toronto, Toronto, Canada  
(non-U.S. corporation)  
HSC Research and Development Limited Partnership, Toronto, Canada  
(non-U.S. corporation)  
PI US 6117978 20000912  
AI US 1998-124698 19980729 (9)  
RLI Division of Ser. No. US 1997-967101, filed on 10 Nov 1997, now patented,  
Pat. No. US 5840540 which is a division of Ser. No. US 1996-592541,  
filed on 26 Jan 1996, now patented, Pat. No. US 5986054 which is a  
continuation-in-part of Ser. No. US 1995-509359, filed on 31 Jul 1995  
which is a continuation-in-part of Ser. No. US 1995-496841, filed on 28  
Jun 1995 which is a continuation-in-part of Ser. No. US 1995-431048,  
filed on 28 Apr 1995  
DT Utility  
FS Granted  
LN.CNT 7847  
INCL INCLM: 530/350.000  
NCL NCLM: 530/350.000  
IC [7]  
ICM: C07K014-00  
EXF 530/350  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 344 OF 391 USPATFULL on STN  
AN 2000:121544 USPATFULL  
TI N-(aryl/heteroarylacetyl) amino acid esters, pharmaceutical compositions  
comprising same, and methods for use  
IN Wu, Jing, San Mateo, CA, United States  
Thorsett, Eugene D., Moss Beach, CA, United States  
Nissen, Jeffrey S., Indianapolis, IN, United States  
Mabry, Thomas E., Indianapolis, IN, United States  
Latimer, Lee H., Oakland, CA, United States  
John, Varghese, San Francisco, CA, United States  
F...

PA Audia, James E., Indianapolis, IN, United States  
Athena Neurosciences, Inc., South San Francisco, CA, United States (U.S. corporation)  
Eli Lilly & Company, Indianapolis, IN, United States (U.S. corporation)  
PI US 6117901 20000912  
AI US 1997-976179 19971121 (8)  
PRAI US 1996-98551P 19961122 (60)  
US 1996-19790P 19960614 (60)  
DT Utility  
FS Granted  
LN.CNT 3321  
INCL INCLM: 514/513.000  
NCL NCLM: 514/513.000  
IC [7]  
ICM: A61K031-16  
EXF 514/513  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 345 OF 391 USPATFULL on STN  
AN 2000:98466 USPATFULL  
TI N-(aryl/heteroaryl) amino acid derivatives pharmaceutical compositions comprising same and methods for inhibiting . \*\*\*beta\*\*\* .-  
\*\*\*amyloid\*\*\* peptide release and/or its synthesis by use of such compounds  
IN Audia, James E., Indianapolis, IN, United States  
Folmer, Beverly K., Newark, DE, United States  
John, Varghese, San Francisco, CA, United States  
Latimer, Lee H., Oakland, CA, United States  
Nissen, Jeffrey S., Indianapolis, IN, United States  
Porter, Warren J., Indianapolis, IN, United States  
Thorsett, Eugene D., Moss Beach, CA, United States  
Wu, Jing, San Mateo, CA, United States  
PA Athena Neurosciences, Inc., South San Francisco, CA, United States (U.S. corporation)  
Eli Lilly & Company, Indianapolis, IN, United States (U.S. corporation)  
PI US 6096782 20000801  
AI US 1997-976191 19971121 (8)  
PRAI US 1996-77175P 19961122 (60)  
DT Utility  
FS Granted  
LN.CNT 3343  
INCL INCLM: 514/506.000  
INCLS: 514/399.000; 548/335.500; 560/041.000  
NCL NCLM: 514/506.000  
NCLS: 514/399.000; 548/335.500; 560/041.000  
IC [7]  
ICM: A01N037-20  
ICS: A01N043-50; C07C229-24; C07D233-61  
EXF 560/41; 514/506; 514/399; 548/335.5  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 346 OF 391 USPATFULL on STN  
AN 2000:94696 USPATFULL  
TI Amyloid precursor protein protease  
IN Dixon, Eric P, Apex, NC, United States  
Johnstone, Edward M., Indianapolis, IN, United States  
Little, Sheila P., Indianapolis, IN, United States  
PA Eli Lilly and Company, Indianapolis, IN, United States (U.S. corporation)  
PI US 6093397 20000725  
WO 9631122 19961010  
AI US 1997-930188 19971002 (8)  
WO 1996-US4294 19960402  
19971002 PCT 371 date  
19971002 PCT 102(e) date  
RLI Continuation of Ser. No. US 1995-416257, filed on 4 Apr 1995, now abandoned  
DT Utility  
FS Granted  
LN.CNT 1530  
INCL INCLM: 424/094.640  
INCLS: 424/078.020; 424/094.620; 435/069.100; 435/212.000; 435/213.000;  
435/219.000; 435/226.000; 435/252.300; 435/320.100  
NCL NCLM: 424/094.640  
NCLS: 424/078.020; 424/094.620; 435/069.100; 435/212.000; 435/213.000;  
435/219.000; 435/226.000; 435/252.300; 435/320.100

IC [7]  
ICM: A61K038-48  
ICS: C12N009-48; C12N001-20; C07H021-04  
EXF 435/212; 435/213; 435/226; 435/219; 435/69.1; 435/252.3; 435/320.1;  
435/252.33; 536/23.2; 536/23.5; 424/78.02; 424/94.62; 424/94.64; 935/14;  
935/29; 935/32; 935/70; 935/73  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 347 OF 391 USPATFULL on STN  
AN 2000:91941 USPATFULL  
TI Serine proteases, their activity and their synthetic inhibitors  
IN Augustyns, Koen Jan Ludovicus, Minderhout, Belgium  
Vanhoof, Greta Constantia, Mortsel, Belgium  
Borloo, Marianne Jean Frieda, Deurne, Belgium  
De Meester, Ingrid Anna Jozef, Wilrijk, Belgium  
Goossens, Filip Jozef Anny, Lokeren, Belgium  
Haemers, Achiel Jean-Marie, Gent, Belgium  
Hendriks, Dirk Frans, Aartselaar, Belgium  
Lambeir, Anne-Marie Virginie Renee, Heverlee, Belgium  
Scharpe, Simon Lodewijk, Wieze, Belgium  
PA FondaTech Benelux N.V., Belgium (non-U.S. corporation)  
PI US 6090786 20000718  
WO 9534538 19951221  
AI US 1997-750484 19970219 (8)  
WO 1995-EP2255 19950609  
19970219 PCT 371 date  
19970219 PCT 102(e) date  
PRAI EP 1994-201668 19940610  
EP 1994-203707 19941220  
DT Utility  
FS Granted  
LN.CNT 1511  
INCL INCLM: 514/019.000  
INCLS: 514/020.000; 514/002.000; 530/330.000; 540/130.000  
NCL NCLM: 514/019.000  
NCLS: 514/002.000; 514/020.000; 530/330.000; 540/130.000  
IC [7]  
ICM: A61K038-05  
ICS: C07K005-078  
EXF 514/19; 514/20; 514/2; 530/330; 540/130  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 348 OF 391 USPATFULL on STN  
AN 2000:84054 USPATFULL  
TI Cloning and expression of .beta.APP-C100 receptor (C100-R)  
IN Manly, Susan P., Wallingford, CT, United States  
Kozlowski, Michael R., Palo Alto, CA, United States  
Neve, Rachael L., Belmont, MA, United States  
PA Bristol-Myers Squibb Company, New York, NY, United States (U.S.  
corporation)  
McLean Hospital Corporation, Belmont, MA, United States (U.S.  
corporation)  
PI US 6083713 20000704  
AI US 1995-559397 19951115 (8)  
RLI Continuation-in-part of Ser. No. US 1993-114555, filed on 30 Aug 1993,  
now patented, Pat. No. US 5854392 And a continuation-in-part of Ser. No.  
US 1992-938184, filed on 31 Aug 1992, now abandoned  
DT Utility  
FS Granted  
LN.CNT 3220  
INCL INCLM: 435/069.100  
INCLS: 435/069.700; 435/325.000; 435/252.300; 435/320.100; 536/023.100;  
536/023.400; 536/023.500  
NCL NCLM: 435/069.100  
NCLS: 435/069.700; 435/252.300; 435/320.100; 435/325.000; 536/023.100;  
536/023.400; 536/023.500  
IC [7]  
ICM: C12N015-12  
ICS: C12N015-70; C12N015-85  
EXF 536/23.1; 536/23.4; 536/23.5; 435/69.1; 435/320.1; 435/325; 435/252.3;  
435/69.7  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 349 OF 391 USPATFULL on STN  
AN 2000:77202 USPATFULL  
TI

IN Der, Channing, Chapel Hill, NC, United States  
O'Bryan, John, Chapel Hill, NC, United States  
PA Pawson, Anthony, Toronto, Canada  
Mount Sinai Hospital Corporation, Toronto, Canada (non-U.S. corporation)  
University of North Carolina at Chapel Hill, NC, United States (U.S.  
corporation)  
PI US 6077686 20000620  
AI US 1997-807342 19970228 (8)  
DT Utility  
FS Granted  
LN.CNT 2849  
INCL INCLM: 435/069.100  
INCLS: 435/325.000; 435/320.100; 435/252.100  
NCL NCLM: 435/069.100  
NCLS: 435/252.100; 435/320.100; 435/325.000  
IC [7]  
ICM: C12P021-06  
ICS: C12N001-12; C12N015-00; C12N005-00  
EXF 435/69.1; 435/252.3; 435/320.1; 435/325; 435/252.1; 530/350; 536/23.5  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 350 OF 391 USPATFULL on STN  
AN 2000:37839 USPATFULL  
TI Tyramine compounds and their neuronal effects  
IN Giulian, Dana J., Houston, TX, United States  
PA Baylor College of Medicine, Houston, TX, United States (U.S.  
corporation)  
PI US 6043283 20000328  
AI US 1997-870967 19970606 (8)  
RLI Continuation-in-part of Ser. No. US 1996-717551, filed on 20 Sep 1996  
DT Utility  
FS Granted  
LN.CNT 3153  
INCL INCLM: 514/617.000  
NCL NCLM: 514/617.000  
IC [7]  
ICM: A61K031-165  
EXF 514/152; 514/617  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 351 OF 391 USPATFULL on STN  
AN 2000:31594 USPATFULL  
TI Transgenic mouse expressing an . \*\*\*beta\*\*\* .- \*\*\*Amyloid\*\*\*  
transgene  
IN Sato, Masahiro, Kawagoe, Japan  
Kobayashi, Takashi, Fukuoka, Japan  
Tada, Norihiro, Kawagoe, Japan  
Shoji, Mikio, Gunma-gun, Japan  
Kawarabayashi, Takeshi, Maebashi, Japan  
PA Hoechst Japan Limited, Tokyo, Japan (non-U.S. corporation)  
PI US 6037521 20000314  
AI US 1994-339708 19941114 (8)  
PRAI JP 1993-306026 19931112  
DT Utility  
FS Granted  
LN.CNT 1316  
INCL INCLM: 800/018.000  
INCLS: 800/009.000; 800/012.000; 800/003.000; 424/009.100; 424/009.200  
NCL NCLM: 800/018.000  
NCLS: 424/009.100; 424/009.200; 800/003.000; 800/009.000; 800/012.000  
IC [7]  
ICM: A01K067-00  
ICS: A01K067-027  
EXF 800/2; 435/172.3; 424/9; 424/9.1; 424/9.2

L4 ANSWER 352 OF 391 USPATFULL on STN  
AN 2000:28107 USPATFULL  
TI .beta.-sheet nucleating peptidomimetics  
IN Kelly, Jeffery W., 213 Chimney Hill Cir., College Station, TX, United  
States 77840  
PI US 6034211 20000307  
AI US 1996-664379 19960614 (8)  
PRAI US 1996-18925P 19960603 (60)  
DT Utility  
FS Granted  
LN.CNT 1625

INCL INCLM: 530/317.000  
INCLS: 546/101.000  
NCL NCLM: 530/317.000  
NCLS: 546/101.000  
IC [7]  
ICM: C07K005-00  
EXF 548/427; 546/101; 514/323-328; 530/317  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 353 OF 391 USPATFULL on STN  
AN 2000:12606 USPATFULL  
TI Method for identifying substances that affect the interaction of a  
presenilin-1-interacting protein with a mammalian presenilin-1 protein  
IN St. George-Hyslop, Peter H., Toronto, Canada  
Rommens, Johanna M., Toronto, Canada  
Fraser, Paul E., Toronto, Canada  
PA Research and Development Limited Partnership, Toronto, Canada (non-U.S.  
corporation)  
PI US 6020143 20000201  
AI US 1997-888077 19970703 (8)  
RLI Continuation-in-part of Ser. No. US 1996-592541, filed on 26 Jan 1996  
PRAI US 1996-21673P 19960705 (60)  
US 1996-21700P 19960712 (60)  
US 1996-29895P 19961108 (60)  
US 1997-34590P 19970102 (60)  
DT Utility  
FS Granted  
LN.CNT 7847  
INCL INCLM: 435/007.100  
INCLS: 530/350.000  
NCL NCLM: 435/007.100  
NCLS: 530/350.000  
IC [6]  
ICM: C12Q001-00  
ICS: C07K014-00  
EXF 435/7.1; 530/350  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 354 OF 391 USPATFULL on STN  
AN 2000:12437 USPATFULL  
TI SPE-4 peptides  
IN L'Hernault, Steven W., Atlanta, GA, United States  
PA Emory University, Atlanta, GA, United States (U.S. corporation)  
PI US 6019974 20000201  
AI US 1997-788231 19970124 (8)  
PRAI US 1996-10672P 19960126 (60)  
DT Utility  
FS Granted  
LN.CNT 1297  
INCL INCLM: 424/191.100  
INCLS: 424/185.100; 424/184.100; 424/192.100; 424/193.100; 424/194.100;  
530/300.000; 530/350.000; 530/326.000; 530/327.000; 530/387.100  
NCL NCLM: 424/191.100  
NCLS: 424/184.100; 424/185.100; 424/192.100; 424/193.100; 424/194.100;  
530/300.000; 530/326.000; 530/327.000; 530/350.000; 530/387.100  
IC [6]  
ICM: C07K007-00  
ICS: A61K039-00  
EXF 530/300; 530/350; 530/326; 530/327; 530/387.1; 424/184.1; 424/185.1;  
424/192.1; 424/193.1; 424/194.1; 424/191.1  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 355 OF 391 USPATFULL on STN  
AN 1999:146753 USPATFULL  
TI Genetic sequences and proteins related to alzheimer's disease  
IN St. George-Hyslop, Peter H., Toronto, Canada  
Rommens, Johanna M., Toronto, Canada  
Fraser, Paul E., Toronto, Canada  
PA The Hospital for Sick Children, HSC Research and Development Limited  
Partnership, Canada (non-U.S. corporation)  
The Governing Council of the University of Toronto, Canada (non-U.S.  
corporation)  
PI US 5986054 19991116  
AI US 1996-592541 19960126 (8)  
RLI Continuation-in-part of Ser. No. US 1995-509359, filed on 31 Jul 1995  
highly homologous to the amino acid sequence of the human presenilin-1 protein, the amino acid sequence of which is set forth in SEQ. ID. NO. 1 of the accompanying sequence listing.

Jun 1995 which is a continuation-in-part of Ser. No. US 1995-431048,  
filed on 28 Apr 1995

DT Utility  
FS Granted  
LN.CNT 7292  
INCL INCLM: 530/350.000  
INCLS: 435/069.100  
NCL NCLM: 530/350.000  
NCLS: 435/069.100  
IC [6]  
ICM: C07K014-00  
ICS: C12P021-06  
EXF 530/350; 435/69.1  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 356 OF 391 USPATFULL on STN  
AN 1999:141615 USPATFULL  
TI Diagnostic assay for Alzheimer's disease based on the proteolysis of the  
amyloid precursor protein  
IN Tamburini, Paul P., Kensington, CT, United States  
Dreyer, Robert N., Wallingford, CT, United States  
Bausch, Kathryn M., West Haven, CT, United States  
PA Bayer Corporation, West Haven, CT, United States (U.S. corporation)  
PI US 5981208 19991109  
AI US 1994-319339 19941006 (8)  
RLI Continuation of Ser. No. US 1993-156516, filed on 23 Nov 1993, now  
abandoned which is a continuation of Ser. No. US 1992-865167, filed on 9  
Apr 1992, now abandoned  
DT Utility  
FS Granted  
LN.CNT 901  
INCL INCLM: 435/023.000  
INCLS: 435/007.100; 436/518.000; 436/811.000  
NCL NCLM: 435/023.000  
NCLS: 435/007.100; 436/518.000; 436/811.000  
IC [6]  
ICM: G01N033-53  
EXF 435/7.1; 435/7.9; 435/7.92; 435/7.93; 435/7.94; 435/7.95; 435/23;  
435/24; 435/975; 435/4; 436/501; 436/518; 436/528; 436/531; 436/811;  
530/350  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 357 OF 391 USPATFULL on STN  
AN 1999:141575 USPATFULL  
TI Method and composition for modulating amyloidosis  
IN Reiner, Peter B., Vancouver, Canada  
Connop, Bruce P., Vancouver, Canada  
PA The University of British Columbia, Vancouver, Canada (non-U.S.  
corporation)  
PI US 5981168 19991109  
AI US 1998-80141 19980515 (9)  
DT Utility  
FS Granted  
LN.CNT 1184  
INCL INCLM: 435/004.000  
INCLS: 435/029.000; 514/639.000; 514/638.000; 514/600.000; 514/601.000;  
514/395.000; 514/310.000; 514/255.000  
NCL NCLM: 435/004.000  
NCLS: 435/029.000; 514/255.060; 514/310.000; 514/395.000; 514/600.000;  
514/601.000; 514/638.000; 514/639.000  
IC [6]  
ICM: C12Q001-00  
EXF 435/4; 435/29; 514/639; 514/638; 514/600; 514/601; 514/395; 514/310;  
514/255  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 358 OF 391 USPATFULL on STN  
AN 1999:132768 USPATFULL  
TI Method for the treatment of neurodegenerative diseases by administering  
VIP, an analogue, fragment or a conjugate thereof  
IN Gozes, Illana, Ramat Hasharon, Israel  
Fridkin, Matityahu, Rehovot, Israel  
PA Yeda Research and Development Co. Ltd., Rehovot, Israel (non-U.S.  
corporation)  
Ramat University Authority for Applied Research and Industrial  
Development Ltd., Tel Aviv, Israel (non-U.S. corporation)



PI US 5972883 19991026  
AI US 1995-413708 19950330 (8)  
RLI Continuation-in-part of Ser. No. US 1994-207671, filed on 9 Mar 1994,  
now abandoned  
PRAI IL 1993-105061 19930316  
DT Utility  
FS Granted  
LN.CNT 1190  
INCL INCLM: 514/012.000  
INCLS: 530/324.000  
NCL NCLM: 514/012.000  
NCLS: 530/324.000  
IC [6]  
ICM: A61K038-00  
EXF 514/12; 514/879; 530/324; 530/327; 530/328  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 359 OF 391 USPATFULL on STN  
AN 1999:132524 USPATFULL  
TI Diagnostic assay for Alzheimer's disease: assessment of A.beta.  
abnormalities  
IN Tanzi, Rudolph E., Canton, MA, United States  
Bush, Ashley I., Somerville, MA, United States  
Moir, Robert D., Boston, MA, United States  
PA The General Hospital Corporation, Boston, MA, United States (U.S.  
corporation)  
PI US 5972634 19991026  
WO 9612544 19960502  
AI US 1997-817423 19970804 (8)  
WO 1994-US11895 19941019  
19970804 PCT 371 date  
19970804 PCT 102(e) date  
DT Utility  
FS Granted  
LN.CNT 2476  
INCL INCLM: 435/007.940  
INCLS: 435/007.100; 435/007.900; 435/007.920; 435/007.950; 435/975.000;  
436/525.000; 436/164.000; 436/172.000  
NCL NCLM: 435/007.940  
NCLS: 435/007.100; 435/007.900; 435/007.920; 435/007.950; 435/975.000;  
436/164.000; 436/172.000; 436/525.000  
IC [6]  
ICM: G01N033-53  
EXF 435/7.1; 435/7.92; 435/7.94; 435/7.95; 435/975; 435/7.9; 436/525;  
436/164; 436/172; 436/63  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 360 OF 391 USPATFULL on STN  
AN 1999:124950 USPATFULL  
TI N-(aryl/heteroaryl) amino acid esters, pharmaceutical compositions  
comprising same, and methods for inhibiting . \*\*\*beta\*\*\* .-  
\*\*\*amyloid\*\*\* peptide release and/or its synthesis by use of such  
compounds  
IN Audia, James E., Indianapolis, IN, United States  
Folmer, Beverly K., Newark, DE, United States  
John, Varghese, San Francisco, CA, United States  
Latimer, Lee H., Oakland, CA, United States  
Nissen, Jeffrey S., Indianapolis, IN, United States  
Reel, Jon K., Carmel, IN, United States  
Thorsett, Eugene D., Moss Beach, CA, United States  
Whitesitt, Celia A., Greenwood, IN, United States  
PA Athena Neurosciences, Inc., United States (U.S. corporation)  
PI US 5965614 19991012  
AI US 1997-975977 19971121 (8)  
PRAI US 1996-104593P 19961122 (60)  
DT Utility  
FS Granted  
LN.CNT 2939  
INCL INCLM: 514/538.000  
INCLS: 514/508.000; 560/043.000; 560/035.000  
NCL NCLM: 514/538.000  
NCLS: 514/508.000; 560/035.000; 560/043.000  
IC [6]  
ICM: A01N037-12  
ICS: A01N037-52; C07C229-28  
EXF 514/538; 514/508; 560/43; 560/35

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 361 OF 391 USPATFULL on STN  
AN 1999:113631 USPATFULL  
TI Stable macroscopic membranes formed by self-assembly of amphiphilic peptides and uses therefor  
IN Holmes, Todd, Somerville, MA, United States  
Zhang, Shuguang, Cambridge, MA, United States  
Rich, Alexander, Cambridge, MA, United States  
DiPersio, C. Michael, Norton, MA, United States  
Lockshin, Curtis, Lexington, MA, United States  
PA Massachusetts Institute of Technology, Cambridge, MA, United States (U.S. corporation)  
PI US 5955343 19990921  
AI US 1994-293284 19940822 (8)  
RLI Continuation-in-part of Ser. No. US 1992-973326, filed on 28 Dec 1992, now abandoned  
DT Utility  
FS Granted  
LN.CNT 2516  
INCL INCLM: 435/240.100  
INCLS: 435/240.200; 435/240.230; 435/240.241  
NCL NCLM: 435/325.000  
NCLS: 435/378.000; 435/395.000; 435/401.000  
IC [6]  
ICM: C12N005-02  
EXF 435/240.1; 435/240.2; 435/240.23; 435/240.241  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 362 OF 391 USPATFULL on STN  
AN 1999:106439 USPATFULL  
TI Peptides and pharmaceutical compositions thereof for treatment of disorders or diseases associated with abnormal protein folding into amyloid or amyloid-like deposits  
IN Soto-Jara, Claudio, New York, NY, United States  
Baumann, Marc H., Helsinki, Finland  
Frangione, Blas, New York, NY, United States  
PA New York University, New York, NY, United States (U.S. corporation)  
PI US 5948763 19990907  
AI US 1996-630645 19960410 (8)  
RLI Continuation-in-part of Ser. No. US 1995-478326, filed on 6 Jun 1995  
DT Utility  
FS Granted  
LN.CNT 1306  
INCL INCLM: 514/014.000  
INCLS: 514/015.000; 514/016.000; 514/017.000; 514/018.000  
NCL NCLM: 514/014.000  
NCLS: 514/015.000; 514/016.000; 514/017.000; 514/018.000  
IC [6]  
ICM: A61K038-00  
EXF 514/2; 514/14; 514/15; 514/16; 514/17; 514/18; 530/300; 530/326; 530/327; 530/328; 530/329; 530/330; 530/331  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 363 OF 391 USPATFULL on STN  
AN 1999:85236 USPATFULL  
TI Kit for detecting Alzheimer's disease  
IN Nixon, Ralph A., Arlington, MA, United States  
Saito, Ken-Ichi, Yokohama, Japan  
PA The McLean Hospital Corporation, Belmont, MA, United States (U.S. corporation)  
PI US 5928885 19990727  
AI US 1996-681375 19960723 (8)  
RLI Continuation of Ser. No. US 1994-184603, filed on 24 Jan 1994, now patented, Pat. No. US 5624807 which is a continuation of Ser. No. US 1993-95319, filed on 22 Jul 1993, now abandoned which is a continuation-in-part of Ser. No. US 1992-925594, filed on 22 Jul 1992, now abandoned  
DT Utility  
FS Granted  
LN.CNT 1112  
INCL INCLM: 435/007.400  
INCLS: 435/967.000; 435/975.000; 436/518.000; 530/387.100; 530/388.100; 530/388.260  
NCL NCLM: 435/007.400  
NCLS: 435/967.000; 435/975.000; 436/518.000; 530/387.100; 530/388.100; 530/388.260

530/388.260

IC [6]  
ICM: G01N033-573  
ICS: C07K016-00; C12P021-08  
EXF 435/975; 435/7.1; 435/7.4; 435/7.92; 435/7.93; 435/7.94; 435/7.95;  
435/967; 436/518; 436/524; 436/528; 436/530; 436/531; 530/357.1;  
530/388.1; 530/388.26  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 364 OF 391 USPATFULL on STN  
AN 1999:67429 USPATFULL  
TI Transgenic non- \*\*\*human\*\*\* mice displaying the amyloid-forming  
pathology of alzheimer's disease  
IN Cordell, Barbara, Palo Alto, CA, United States  
PA Scios Inc., Mountain View, CA, United States (U.S. corporation)  
PI US 5912410 19990615  
AI US 1995-422333 19950413 (8)  
RLI Continuation of Ser. No. US 1994-327381, filed on 21 Oct 1994, now  
abandoned which is a continuation-in-part of Ser. No. US 1991-716725,  
filed on 17 Jun 1991, now patented, Pat. No. US 5387742 which is a  
continuation-in-part of Ser. No. US 1990-538857, filed on 15 Jun 1990,  
now abandoned  
DT Utility  
FS Granted  
LN.CNT 2702  
INCL INCLM: 800/002.000  
INCLS: 800/DIG.001; 424/009.200; 935/062.000  
NCL NCLM: 800/012.000  
NCLS: 424/009.200  
IC [6]  
ICM: C12N015-00  
ICS: C12N005-00; A61K049-00  
EXF 800/2; 800/DIG.1; 935/62; 424/9.2  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 365 OF 391 USPATFULL on STN  
AN 1999:27476 USPATFULL  
TI APP770 mutant in alzheimer's disease  
IN Hardy, John Anthony, Tampa, FL, United States  
Chartier-Harlin, Marie-Christine, Villeneuve d'Ascq, France  
Goate, Alison Mary, Michael, MO, United States  
Owen, Michael John, South Glamorgan, Scotland  
Mullan, Michael John, Tampa, FL, United States  
PA Imperial College of Science, Technology of Medicine, London, England  
(non-U.S. corporation)  
PI US 5877015 19990302  
WO 9213069 19920806  
AI US 1992-104165 19920121 (8)  
WO 1992-GB123 19920121  
19940121 PCT 371 date  
19940121 PCT 102(e) date  
PRAI GB 1991-1307 19910121  
GB 1991-18445 19910828  
DT Utility  
FS Granted  
LN.CNT 1734  
INCL INCLM: 435/325.000  
INCLS: 435/252.300; 536/023.500  
NCL NCLM: 435/325.000  
NCLS: 435/252.300; 536/023.500  
IC [6]  
ICM: C12N005-10  
ICS: C12N001-21; C07H021-04  
EXF 435/29; 435/240.1; 435/252.3; 435/6; 435/325; 536/23.5  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 366 OF 391 USPATFULL on STN  
AN 1998:162469 USPATFULL  
TI A.beta. peptides that modulate . \*\*\*beta\*\*\* .- \*\*\*amyloid\*\*\*  
aggregation  
IN Findeis, Mark A., Cambridge, MA, United States  
Benjamin, Howard, Lexington, MA, United States  
Garnick, Marc B., Brookline, MA, United States  
Gefter, Malcolm L., Lincoln, MA, United States  
Hundal, Arvind, Brighton, MA, United States

Musso, Gary, Hopkinton, MA, United States  
 Signer, Ethan R., Cambridge, MA, United States  
 Wakefield, James, Brookline, MA, United States  
 Reed, Michael, Marietta, GA, United States  
 Molineaux, Susan, Brookline, MA, United States  
 Kubasek, William, Belmont, MA, United States  
 Chin, Joseph, Salem, MA, United States  
 Lee, Jung-Ja, Wayland, MA, United States  
 Kelley, Michael, Arlington, MA, United States  
 PA Praecis Pharmaceuticals, Inc., Cambridge, MA, United States (U.S.  
 corporation)  
 PI US 5854204 19981229  
 AI US 1996-612785 19960314 (8)  
 RLI Continuation-in-part of Ser. No. US 1995-404831, filed on 14 Mar 1995  
 And a continuation-in-part of Ser. No. US 1995-475579, filed on 7 Jun  
 1995 And a continuation-in-part of Ser. No. US 1995-548998, filed on 27  
 Oct 1995  
 DT Utility  
 FS Granted  
 LN.CNT 4304  
 INCL INCLM: 514/002.000  
 INCLS: 514/012.000; 514/014.000; 530/324.000; 530/326.000  
 NCL NCLM: 514/002.000  
 NCLS: 514/012.000; 514/014.000; 530/324.000; 530/326.000  
 IC [6]  
 ICM: C07K014-435  
 ICS: C07K007-08  
 EXF 514/14; 514/12; 514/2; 530/300; 530/324; 530/326; 930/10  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 367 OF 391 USPATFULL on STN  
 AN 1998:157207 USPATFULL  
 TI Diagnostic assays for Alzheimer's disease  
 IN Nixon, Ralph, Arlington, MA, United States  
 Honda, Toshiyuki, Yokohama, Japan  
 PA The McLean Hospital Corporation, Belmont, MA, United States (U.S.  
 corporation)  
 PI US 5849600 19981215  
 AI US 1993-149975 19931110 (8)  
 DT Utility  
 FS Granted  
 LN.CNT 960  
 INCL INCLM: 436/518.000  
 INCLS: 436/528.000; 436/529.000; 436/530.000; 436/161.000; 436/811.000  
 NCL NCLM: 436/518.000  
 NCLS: 436/161.000; 436/528.000; 436/529.000; 436/530.000; 436/811.000  
 IC [6]  
 ICM: G01N033-544  
 EXF 435/7.1; 435/975; 436/518; 436/530; 436/547; 436/524; 436/528; 436/529;  
 436/811; 436/161; 530/350; 530/387.1; 530/387.9; 530/389.1  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 368 OF 391 USPATFULL on STN  
 AN 1998:147262 USPATFULL  
 TI Nucleic acids encoding presenilin II  
 IN St. George-Hyslop, Peter H., Toronto, Canada  
 Rommens, Johanna M., Toronto, Canada  
 Fraser, Paul E., Toronto, Canada  
 PA The Hospital for Sick Children, Canada (non-U.S. corporation)  
 HSC Research and Development Limited Partnership, Canada (non-U.S.  
 corporation)  
 PI US 5840540 19981124  
 AI US 1997-967101 19971110 (8)  
 RLI Division of Ser. No. US 1996-592541, filed on 26 Jan 1996 which is a  
 continuation-in-part of Ser. No. US 1995-509359, filed on 31 Jul 1995  
 which is a continuation-in-part of Ser. No. US 1995-496841, filed on 28  
 Jun 1995 which is a continuation-in-part of Ser. No. US 1995-431048,  
 filed on 28 Apr 1995  
 DT Utility  
 FS Granted  
 LN.CNT 6709  
 INCL INCLM: 435/069.100  
 INCLS: 435/320.100; 435/252.300; 435/325.000; 536/023.100; 536/024.300;  
 530/350.000  
 NCL NCLM: 435/069.100  
 NCLS: 435/252.300; 435/320.100; 435/325.000; 536/023.100; 536/024.300;

536/024.300

IC [6]  
ICM: C12P021-06  
ICS: C07H017-00; C07K014-00  
EXF 435/69.1; 435/320.1; 435/252.3; 435/325; 536/23.1; 536/24.3; 530/350  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 369 OF 391 USPATFULL on STN  
AN 1998:143904 USPATFULL  
TI Directed evolution of novel binding proteins  
IN Ladner, Robert Charles, Ijamsville, MD, United States  
Guterman, Sonia Kosow, Belmont, MA, United States  
Roberts, Bruce Lindsay, Milford, MA, United States  
Markland, William, Milford, MA, United States  
Ley, Arthur Charles, Newton, MA, United States  
Kent, Rachel Baribault, Boxborough, MA, United States  
PA Dyax, Corp., Cambridge, MA, United States (U.S. corporation)  
PI US 5837500 19981117  
AI US 1995-415922 19950403 (8)  
RLI Continuation of Ser. No. US 1993-9319, filed on 26 Jan 1993, now  
patented, Pat. No. US 5403484 which is a division of Ser. No. US  
1991-664989, filed on 1 Mar 1991, now patented, Pat. No. US 5223409  
which is a continuation-in-part of Ser. No. US 1990-487063, filed on 2  
Mar 1990, now abandoned which is a continuation-in-part of Ser. No. US  
1988-240160, filed on 2 Sep 1988, now abandoned  
DT Utility  
FS Granted  
LN.CNT 15973  
INCL INCLM: 435/069.700  
INCLS: 435/172.300; 530/350.000; 530/412.000; 536/023.400  
NCL NCLM: 435/069.700  
NCLS: 435/091.100; 435/091.200; 435/471.000; 530/350.000; 530/412.000;  
536/023.400

IC [6]  
ICM: C12N015-62  
ICS: C07K019-00  
EXF 435/69.7; 435/172.3; 530/350; 530/412; 536/23.4  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 370 OF 391 USPATFULL on STN  
AN 1998:139024 USPATFULL  
TI Soluble form of PrP.sup.SC which is insoluble in native form  
IN Prusiner, Stanley B., San Francisco, CA, United States  
Cohen, Fred E., San Francisco, CA, United States  
Muramoto, Tamaki, San Francisco, CA, United States  
PA The Regents of the University of California, Oakland, CA, United States  
(U.S. corporation)  
PI US 5834593 19981110  
AI US 1996-740947 19961105 (8)  
DT Utility  
FS Granted  
LN.CNT 1331  
INCL INCLM: 530/350.000  
INCLS: 530/356.000; 435/006.000; 435/007.100; 435/002.300; 435/072.300;  
435/236.000  
NCL NCLM: 530/350.000  
NCLS: 435/006.000; 435/007.100; 435/023.000; 435/236.000; 530/356.000

IC [6]  
ICM: C07K001-00  
ICS: C07K014-00; C07K016-00; C07K017-00  
EXF 530/350; 530/356; 435/236; 435/23; 435/6; 435/7.1; 435/172.3  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 371 OF 391 USPATFULL on STN  
AN 1998:98980 USPATFULL  
TI Amyloid precursor protein in alzheimer's disease  
IN Mullan, Michael John, Tampa, FL, United States  
PA Alzheimer's Institute of America, Prairie Village, KS, United States  
(U.S. corporation)  
PI US 5795963 19980818  
AI US 1997-815637 19970313 (8)  
RLI Continuation of Ser. No. US 1995-487118, filed on 7 Jun 1995, now  
abandoned which is a division of Ser. No. US 1993-94547, filed on 19 Feb  
1993, now abandoned which is a continuation of Ser. No. US 1992-894211,  
filed on 4 Jun 1992, now patented, Pat. No. US 5455169, issued on 3 Oct  
1995

DT Utility  
FS Granted  
LN.CNT 1053  
INCL INCLM: 530/350.000  
NCL NCLM: 530/350.000  
IC [6]  
ICM: C07K001-00  
EXF 530/350  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 372 OF 391 USPATFULL on STN  
AN 1998:88671 USPATFULL  
TI Monoclonal \*\*\*antibody\*\*\* 369.2B specific for .beta. A4 peptide  
IN Konig, Gerhard, Branford, CT, United States  
Graham, Paul, New Haven, CT, United States  
PA Bayer Corporation, Pittsburgh, PA, United States (U.S. corporation)  
PI US 5786180 19980728  
AI US 1995-388463 19950214 (8)  
DT Utility  
FS Granted  
LN.CNT 926  
INCL INCLM: 435/070.210  
INCLS: 435/331.000; 436/547.000; 436/548.000; 530/327.000; 530/387.900;  
530/388.100; 530/389.100  
NCL NCLM: 435/070.210  
NCLS: 435/331.000; 436/547.000; 436/548.000; 530/327.000; 530/387.900;  
530/388.100; 530/389.100  
IC [6]  
ICM: A61K039-395  
EXF 435/70.21; 435/240.27; 435/70.2; 435/326; 435/331; 530/388.1; 530/388.2;  
530/327; 530/387.9; 530/389.1; 436/548; 436/547; 424/184.1; 424/185.1;  
424/193.1; 424/194.1  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 373 OF 391 USPATFULL on STN  
AN 1998:58182 USPATFULL  
TI Lactacystin analogs  
IN Fenteany, Gabriel, Cambridge, MA, United States  
Jamison, Timothy F., Cambridge, MA, United States  
Schreiber, Stuart L., Boston, MA, United States  
Standaert, Robert F., Arlington, MA, United States  
PA President and Fellows of Harvard College, Cambridge, MA, United States  
(U.S. corporation)  
PI US 5756764 19980526  
AI US 1995-466468 19950606 (8)  
RLI Division of Ser. No. US 1995-421583, filed on 12 Apr 1995  
DT Utility  
FS Granted  
LN.CNT 2392  
INCL INCLM: 548/541.000  
INCLS: 548/512.000; 548/543.000; 548/557.000  
NCL NCLM: 548/541.000  
NCLS: 548/512.000; 548/543.000; 548/557.000  
IC [6]  
ICM: C07D207-12  
ICS: C07D207-10; C07D207-08  
EXF 548/543; 548/512; 548/557; 548/541  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 374 OF 391 USPATFULL on STN  
AN 1998:30992 USPATFULL  
TI Method for treating Alzheimer's disease using glial line-derived  
neurotrophic factor (GDNF) protein product  
IN Williams, Lawrence R., Thousand Oaks, CA, United States  
PA Amgen Inc., Thousand Oaks, CA, United States (U.S. corporation)  
PI US 5731284 19980324  
AI US 1995-535682 19950928 (8)  
DT Utility  
FS Granted  
LN.CNT 1677  
INCL INCLM: 514/008.000  
INCLS: 514/021.000  
NCL NCLM: 514/008.000  
NCLS: 514/021.000  
IC [6]  
ICM: A61F003-00

ICS: A61K047-00; A61K031-685; A61K038-00  
EXF 514/8; 514/21  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 375 OF 391 USPATFULL on STN  
AN 1998:28190 USPATFULL  
TI \*\*\*Antibodies\*\*\* directed against elk ligand  
IN Lyman, Stewart, Seattle, WA, United States  
Beckmann, M. Patricia, Poulsbo, WA, United States  
Baum, Peter R., Seattle, WA, United States  
PA Immunex Corporation, Seattle, WA, United States (U.S. corporation)  
PI US 5728813 19980317  
AI US 1996-747240 19961112 (8)  
RLI Division of Ser. No. US 1995-460741, filed on 2 Jun 1995, now patented,  
Pat. No. US 5670625 which is a division of Ser. No. US 1994-213403,  
filed on 15 Mar 1994, now patented, Pat. No. US 5512457 which is a  
continuation-in-part of Ser. No. US 1992-977693, filed on 13 Nov 1992,  
now abandoned  
DT Utility  
FS Granted  
LN.CNT 1717  
INCL INCLM: 530/387.900  
INCLS: 530/388.230; 424/139.100  
NCL NCLM: 530/387.900  
NCLS: 424/139.100; 530/388.230  
IC [6]  
ICM: C07K016-24  
EXF 530/387.9; 530/388.23; 530/350; 435/69.1; 435/325; 435/331; 435/335;  
424/139.1  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 376 OF 391 USPATFULL on STN  
AN 1998:19582 USPATFULL  
TI In Vitro method for screening . \*\*\*beta\*\*\* .- \*\*\*amyloid\*\*\*  
deposition  
IN Maggio, John E., Brookline, MA, United States  
Mantyh, Patrick W., Edina, MN, United States  
PA Regents of the University of Minnesota, Minneapolis, MN, United States  
(U.S. corporation)  
President and Fellows of Harvard College, Boston, MA, United States  
(U.S. corporation)  
PI US 5721106 19980224  
AI US 1994-304585 19940912 (8)  
RLI Continuation-in-part of Ser. No. US 1991-744767, filed on 13 Aug 1991,  
now patented, Pat. No. US 5434050  
DT Utility  
FS Granted  
LN.CNT 1977  
INCL INCLM: 435/007.800  
INCLS: 435/007.100; 435/007.900; 436/501.000; 436/504.000  
NCL NCLM: 435/007.800  
NCLS: 435/007.100; 435/007.900; 436/501.000; 436/504.000  
IC [6]  
ICM: G01N033-53  
EXF 435/4; 435/7.1; 435/7.21; 435/7.8; 435/7.9; 436/501; 436/86; 436/504  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 377 OF 391 USPATFULL on STN  
AN 97:123343 USPATFULL  
TI Amyloid precursor proteins and method of using same to assess agents  
which down-regulate formation of . \*\*\*beta\*\*\* .- \*\*\*amyloid\*\*\*  
peptide  
IN Vitek, Michael Peter, East Norwich, NY, United States  
Jacobsen, Jack Steven, Ramsey, NJ, United States  
PA American Cyanamid Company, Madison, NJ, United States (U.S. corporation)  
PI US 5703209 19971230  
AI US 1995-464248 19950605 (8)  
RLI Division of Ser. No. US 1993-123659, filed on 20 Sep 1993 which is a  
continuation-in-part of Ser. No. US 1992-877675, filed on 1 May 1992,  
now abandoned  
DT Utility  
FS Granted  
LN.CNT 1937  
INCL INCLM: 530/350.000  
INCLS: 530/539.000; 514/012.000; 435/069.100; 435/172.300  
NCL NCLM: 530/350.000  
NCLS: 530/539.000; 514/012.000; 435/069.100; 435/172.300

NCLS: 435/069.100; 530/839.000  
 IC [6]  
 ICM: C07K014-435  
 ICS: C07K014-47; C12N015-12  
 EXF 435/69.1; 435/172.3; 514/2; 514/12; 530/350; 530/839  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 378 OF 391 USPATFULL on STN  
 AN 97:112579 USPATFULL  
 TI Method of isolating .beta.A4 peptide species ending at carboxy-terminals  
 residue 42 using monoclonal \*\*\*antibody\*\*\* 369.2B  
 IN Konig, Gerhard, Branford, CT, United States  
 Graham, Paul, New Haven, CT, United States  
 PA Bayer Corporation, West Haven, CT, United States (U.S. corporation)  
 PI US 5693753 19971202  
 AI US 1995-472627 19950607 (8)  
 RLI Division of Ser. No. US 1995-388463, filed on 14 Feb 1995  
 DT Utility  
 FS Granted  
 LN.CNT 924  
 INCL INCLM: 530/344.000  
 INCLS: 530/412.000; 530/413.000  
 NCL NCLM: 530/344.000  
 NCLS: 530/412.000; 530/413.000  
 IC [6]  
 ICM: C07K001-22  
 EXF 530/387.9; 530/388.1; 530/389.1; 530/391.1; 530/391.3; 530/391.5;  
 530/391.9; 530/344; 530/412; 530/413  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 379 OF 391 USPATFULL on STN  
 AN 97:96730 USPATFULL  
 TI Methods of detecting .beta.A4 peptide species ending at carboxy-terminus  
 residue 42 using monoclonal \*\*\*antibody\*\*\* 369.2B  
 IN Konig, Gerhard, Branford, CT, United States  
 Graham, Paul, New Haven, CT, United States  
 PA Bayer Corporation, West Haven, CT, United States (U.S. corporation)  
 PI US 5679531 19971021  
 AI US 1995-484969 19950607 (8)  
 RLI Division of Ser. No. US 1995-388463, filed on 14 Feb 1995  
 DT Utility  
 FS Granted  
 LN.CNT 932  
 INCL INCLM: 435/007.100  
 INCLS: 435/007.920; 435/007.950; 435/040.500; 435/040.520; 530/387.900;  
 530/388.100  
 NCL NCLM: 435/007.100  
 NCLS: 435/007.920; 435/007.950; 435/040.500; 435/040.520; 530/387.900;  
 530/388.100  
 IC [6]  
 ICM: G01N033-53  
 ICS: C07K016-18  
 EXF 435/70.21; 435/240.27; 435/387.9; 435/7.1; 435/7.21; 435/7.9; 435/40.52;  
 435/40.5; 435/7.92; 435/7.95; 530/388.1; 530/358.2; 530/327; 436/548;  
 424/184.1; 424/185.1; 424/193.1; 424/194.1  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 380 OF 391 USPATFULL on STN  
 AN 97:86731 USPATFULL  
 TI Elk ligand fusion proteins  
 IN Lyman, Stewart, Seattle, WA, United States  
 Beckmann, M. Patricia, Poulsbo, WA, United States  
 Baum, Peter R., Seattle, WA, United States  
 PA Immunex Corporation, Seattle, WA, United States (U.S. corporation)  
 PI US 5670625 19970923  
 AI US 1995-460741 19950602 (8)  
 RLI Division of Ser. No. US 1994-213403, filed on 15 Mar 1994, now patented,  
 Pat. No. US 5512457, issued on 30 Apr 1996 which is a  
 continuation-in-part of Ser. No. US 1992-977693, filed on 13 Nov 1992,  
 now abandoned  
 DT Utility  
 FS Granted  
 LN.CNT 1742  
 INCL INCLM: 530/387.300  
 INCLS: 435/069.700; 435/172.300; 424/085.100; 424/192.100; 536/023.400;  
 435/010.000; 530/351.000; 530/352.000; 530/353.000; 530/354.000; 530/355.000; 530/356.000; 530/357.000; 530/358.000; 530/359.000; 530/360.000; 530/361.000; 530/362.000; 530/363.000; 530/364.000; 530/365.000; 530/366.000; 530/367.000; 530/368.000; 530/369.000; 530/370.000; 530/371.000; 530/372.000; 530/373.000; 530/374.000; 530/375.000; 530/376.000; 530/377.000; 530/378.000; 530/379.000; 530/380.000; 530/381.000; 530/382.000; 530/383.000; 530/384.000; 530/385.000; 530/386.000; 530/387.000; 530/388.000; 530/389.000; 530/390.000; 530/391.000; 530/392.000; 530/393.000; 530/394.000; 530/395.000; 530/396.000; 530/397.000; 530/398.000; 530/399.000; 530/400.000; 530/401.000; 530/402.000; 530/403.000; 530/404.000; 530/405.000; 530/406.000; 530/407.000; 530/408.000; 530/409.000; 530/410.000; 530/411.000; 530/412.000; 530/413.000; 530/414.000; 530/415.000; 530/416.000; 530/417.000; 530/418.000; 530/419.000; 530/420.000; 530/421.000; 530/422.000; 530/423.000; 530/424.000; 530/425.000; 530/426.000; 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NCL NCLM: 530/387.300  
NCLS: 424/085.100; 424/192.100; 435/069.700; 530/351.000; 536/023.400;  
930/140.000

IC [6]  
ICM: C07K014-52  
ICS: C07K019-00

EXF 530/387.3; 530/351; 435/69.7; 435/172.3; 435/69.1; 435/320.1; 424/85.1;  
424/192.1; 536/23.4; 536/23.5; 935/10; 930/140

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 381 OF 391 USPATFULL on STN

AN 97:86591 USPATFULL

TI Stable macroscopic membranes formed by self-assembly of amphiphilic  
peptides and uses therefor

IN Zhang, Shuguang, Cambridge, MA, United States

Lockshin, Curtis, Lexington, MA, United States

Rich, Alexander, Cambridge, MA, United States

Holmes, Todd, Cambridge, MA, United States

PA Massachusetts Insititute of Technology, Cambridge, MA, United States  
(U.S. corporation)

PI US 5670483 19970923

AI US 1994-346849 19941130 (8)

RLI Continuation of Ser. No. US 1992-973326, filed on 28 Dec 1992, now  
abandoned

DT Utility

FS Granted

LN.CNT 2210

INCL INCLM: 514/014.000

INCLS: 514/012.000; 514/013.000; 530/300.000; 530/324.000; 530/325.000;  
530/326.000; 530/327.000; 530/350.000

NCL NCLM: 514/014.000

NCLS: 514/012.000; 514/013.000; 530/300.000; 530/324.000; 530/325.000;  
530/326.000; 530/327.000; 530/350.000

IC [6]  
ICM: A61K007-08

ICS: A61K014-00; C07K038-10; C07K038-16

EXF 530/300; 530/350; 514/12; 514/13; 514/14

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 382 OF 391 USPATFULL on STN

AN 97:70918 USPATFULL

TI Amyloid precursor proteins and method of using same to assess agents  
which down-regulate formation of . \*\*\*beta\*\*\* .- \*\*\*amyloid\*\*\*  
peptide

IN Vitek, Michael Peter, East Norwich, NY, United States

Jacobsen, Jack Steven, Ramsey, NJ, United States

PA American Cyanamid Company, Madison, NJ, United States (U.S. corporation)

PI US 5656477 19970812

AI US 1993-123659 19930920 (8)

RLI Continuation-in-part of Ser. No. US 1992-877675, filed on 1 May 1992,  
now abandoned

DT Utility

FS Granted

LN.CNT 2040

INCL INCLM: 435/325.000

INCLS: 435/252.300; 435/254.110; 435/348.000; 435/358.000; 435/365.000;  
435/365.100; 435/366.000; 536/023.500; 530/839.000

NCL NCLM: 435/325.000

NCLS: 435/252.300; 435/254.110; 435/348.000; 435/358.000; 435/365.000;  
435/365.100; 435/366.000; 530/839.000; 536/023.500

IC [6]  
ICM: C12N001-15

ICS: C12N001-21; C12N005-10; C12N015-12

EXF 435/172.3; 435/240.2; 435/252.3; 435/254.11; 435/320.1; 536/23.5;  
935/79; 530/350; 530/839

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 383 OF 391 USPATFULL on STN

AN 97:49530 USPATFULL

TI Method of modulating DNA binding activity of recombinant .alpha.-1  
antichymotrypsin and other serine protease inhibitors

IN Rubin, Harvey, Philadelphia, PA, United States

Cooperman, Barry, Penn Valley, PA, United States

PA The Trustees of the University of Pennsylvania, Philadelphia, PA, United  
States (U.S. corporation)

AI US 1995-435480 19950505 (8)  
RLI Continuation-in-part of Ser. No. US 1994-276936, filed on 19 Jul 1994,  
now patented, Pat. No. US 5612194 which is a continuation-in-part of  
Ser. No. US 1994-229286, filed on 18 Apr 1994, now abandoned which is a  
continuation-in-part of Ser. No. US 1994-221078, filed on 31 Mar 1994  
Ser. No. Ser. No. US 1994-221171, filed on 31 Mar 1994 And Ser. No. US  
1993-5908, filed on 15 Jan 1993, now patented, Pat. No. US 5367064 which  
is a division of Ser. No. US 1991-735335, filed on 24 Jul 1991, now  
patented, Pat. No. US 5252725 which is a division of Ser. No. US  
1989-370704, filed on 23 Jun 1989, now patented, Pat. No. US 5079336 ,  
said Ser. No. US -221078 which is a continuation-in-part of Ser. No.  
US -5908  
DT Utility  
FS Granted  
LN.CNT 702  
INCL INCLM: 435/069.200  
INCLS: 435/172.300; 530/350.000; 530/395.000; 536/023.500  
NCL NCLM: 435/069.200  
NCLS: 530/350.000; 530/395.000; 536/023.500  
IC [6]  
ICM: C07K014-435  
ICS: C07K014-81; C12N015-15  
EXF 435/69.2; 435/172.3; 530/350; 530/395; 536/23.5  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 384 OF 391 USPATFULL on STN  
AN 97:38610 USPATFULL  
TI Cytokine designated elk ligand  
IN Lyman, Stewart, Seattle, WA, United States  
Beckmann, M. Patricia, Poulsbo, WA, United States  
Baum, Peter R., Seattle, WA, United States  
PA Immunex Corporation, Seattle, WA, United States (U.S. corporation)  
PI US 5627267 19970506  
AI US 1995-458077 19950601 (8)  
RLI Division of Ser. No. US 1994-213403, filed on 15 Mar 1994, now patented,  
Pat. No. US 5512457 which is a continuation-in-part of Ser. No. US  
1992-977693, filed on 13 Nov 1992, now abandoned  
DT Utility  
FS Granted  
LN.CNT 1743  
INCL INCLM: 530/351.000  
INCLS: 424/085.100; 435/069.500; 536/023.500; 935/009.000; 930/140.000  
NCL NCLM: 530/351.000  
NCLS: 424/085.100; 435/069.500; 536/023.500; 930/140.000  
IC [6]  
ICM: C07K014-52  
EXF 530/351; 424/85.1; 514/12; 435/69.5; 536/23.5; 935/9; 930/140  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 385 OF 391 USPATFULL on STN  
AN 97:36068 USPATFULL  
TI Methods for detecting Alzheimer's disease by measuring ratios of  
calcium-activated neutral protease isoforms  
IN Nixon, Ralph A., Arlington, MA, United States  
Saito, Ken-Ichi, Yokohama, Japan  
PA The McLean Hospital Corporation, Belmont, MA, United States (U.S.  
corporation)  
PI US 5624807 19970429  
AI US 1994-184603 19940124 (8)  
RLI Continuation of Ser. No. US 1993-95319, filed on 22 Jul 1993, now  
abandoned which is a continuation-in-part of Ser. No. US 1992-925594,  
filed on 22 Jul 1992, now abandoned  
DT Utility  
FS Granted  
LN.CNT 1268  
INCL INCLM: 435/007.400  
INCLS: 435/007.900; 435/007.920; 436/063.000; 436/518.000; 436/547.000;  
436/548.000; 436/811.000  
NCL NCLM: 435/007.400  
NCLS: 435/007.900; 435/007.920; 436/063.000; 436/518.000; 436/547.000;  
436/548.000; 436/811.000  
IC [6]  
ICM: G01N033-573  
ICS: G01N033-53; G01N033-48  
EXF 435/7.4; 435/7.9; 435/7.92; 435/7.95; 435/975; 435/973; 435/967;  
436/518.000; 436/547.000; 436/548.000; 436/811.000

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 386 OF 391 USPATFULL on STN  
AN 96:101466 USPATFULL  
TI Directed evolution of novel binding proteins  
IN Ladner, Robert C., Ijamsville, MD, United States  
Guterman, Sonia K., Belmont, MA, United States  
Roberts, Bruce L., Milford, MA, United States  
Markland, William, Milford, MA, United States  
Ley, Arthur C., Newton, MA, United States  
Kent, Rachel B., Boxborough, MA, United States  
PA Protein Engineering Corporation, Cambridge, MA, United States (U.S. corporation)  
PI US 5571698 19961105  
AI US 1993-57667 19930618 (8)  
RLI Continuation of Ser. No. US 1991-664989, filed on 1 Mar 1991, now patented, Pat. No. US 5223409 which is a continuation-in-part of Ser. No. US 1990-487063, filed on 2 Mar 1990, now abandoned which is a continuation-in-part of Ser. No. US 1988-240160, filed on 2 Sep 1988, now abandoned  
DT Utility  
FS Granted  
LN.CNT 15323  
INCL INCLM: 435/069.700  
INCLS: 435/006.000; 435/064.100; 435/172.300; 435/252.300; 435/320.100  
NCL NCLM: 435/069.700  
NCLS: 435/006.000; 435/069.100; 435/252.300; 435/320.100; 435/477.000  
IC [6]  
ICM: C12N025-62  
EXF 435/6; 435/64.1; 435/64.7; 435/172.3; 435/252.3; 435/320.1  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 387 OF 391 USPATFULL on STN  
AN 96:36458 USPATFULL  
TI Cytokine designated elk ligand  
IN Lyman, Stewart, Seattle, WA, United States  
Beckmann, M. Patricia, Poulsbo, WA, United States  
Baum, Peter R., Seattle, WA, United States  
Carpenter, Melissa K., Issaquah, WA, United States  
PA Immunex Corporation, Seattle, WA, United States (U.S. corporation)  
PI US 5512457 19960430  
AI US 1994-213403 19940315 (8)  
RLI Continuation-in-part of Ser. No. US 1992-977693, filed on 13 Nov 1992, now abandoned  
DT Utility  
FS Granted  
LN.CNT 1746  
INCL INCLM: 435/069.500  
INCLS: 435/172.100; 435/320.100; 424/085.100; 536/023.500; 536/024.310; 935/009.000; 530/351.000; 930/140.000  
NCL NCLM: 435/069.500  
NCLS: 424/085.100; 435/320.100; 530/351.000; 536/023.500; 536/024.310; 930/140.000  
IC [6]  
ICM: C07H021-04  
ICS: C12P021-02; C12N015-19; C07K014-52  
EXF 536/23.5; 536/24.5; 536/24.31; 530/350; 530/351; 435/69.1; 435/320.1; 435/172.1; 935/9; 424/85.1  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 388 OF 391 USPATFULL on STN  
AN 95:88386 USPATFULL  
TI Nucleic acids for diagnosing and modeling Alzheimer's disease  
IN Mullan, Michael J., Tampa, FL, United States  
PA Alzheimer's Institute of America, Inc., Prairie Village, KS, United States (U.S. corporation)  
PI US 5455169 19951003  
AI US 1992-894211 19920604 (7)  
DT Utility  
FS Granted  
LN.CNT 1040  
INCL INCLM: 435/240.200  
INCLS: 435/320.100; 536/023.100; 536/023.500; 536/024.310; 536/024.330  
NCL NCLM: 435/325.000  
NCLS: 435/320.100; 536/023.100; 536/023.500; 536/024.310; 536/024.330  
IC [6]

ICM: C12N005-10  
ICS: C12N015-12; C12N015-85  
EXF 435/240.2; 435/320.1; 435/172.3; 435/6; 536/23.1; 536/23.5; 536/24.31;  
536/24.33  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 389 OF 391 USPATFULL on STN  
AN 95:11757 USPATFULL  
TI Transgenic mice displaying the amyloid-forming pathology of alzheimer's  
disease  
IN Cordell, Barbara, Palo Alto, CA, United States  
PA Scios Nova Inc., Mountain View, CA, United States (U.S. corporation)  
PI US 5387742 19950207  
AI US 1991-716725 19910617 (7)  
RLI Continuation-in-part of Ser. No. US 1990-538857, filed on 15 Jun 1990,  
now abandoned  
DT Utility  
FS Granted  
LN.CNT 2014  
INCL INCLM: 800/002.000  
INCLS: 424/009.000; 435/142.300; 536/023.500  
NCL NCLM: 800/012.000  
NCLS: 536/023.500; 800/018.000  
IC [6]  
ICM: A61K049-00  
ICS: C12N015-00; C07H015-12  
EXF 800/2; 435/6; 514/44  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 390 OF 391 USPATFULL on STN  
AN 93:52487 USPATFULL  
TI Directed evolution of novel binding proteins  
IN Ladner, Robert C., Ijamsville, MD, United States  
Guterman, Sonia K., Belmont, MA, United States  
Roberts, Bruce L., Milford, MA, United States  
Markland, William, Milford, MA, United States  
Ley, Arthur C., Newton, MA, United States  
Kent, Rachel B., Boxborough, MA, United States  
PA Protein Engineering Corp., Cambridge, MA, United States (U.S.  
corporation)  
PI US 5223409 19930629  
AI US 1991-664989 19910301 (7)  
RLI Continuation-in-part of Ser. No. US 1990-487063, filed on 2 Mar 1990,  
now abandoned And a continuation-in-part of Ser. No. US 1988-240160,  
filed on 2 Sep 1988, now abandoned  
DT Utility  
FS Granted  
LN.CNT 15410  
INCL INCLM: 435/069.700  
INCLS: 435/069.100; 435/172.300; 435/252.300; 435/320.100; 530/380.300;  
530/387.500  
NCL NCLM: 435/069.700  
NCLS: 435/005.000; 435/069.100; 435/252.300; 435/320.100; 435/472.000;  
530/387.300; 530/387.500  
IC [5]  
ICM: C12N015-09  
ICS: C12N015-62; C12N015-63  
EXF 435/69.1; 435/172.3; 435/252.3; 435/320.1; 530/350  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 391 OF 391 USPATFULL on STN  
AN 92:61895 USPATFULL  
TI Nerve growth factor peptides  
IN Mobley, William C., Moraga, CA, United States  
Longo, Frank M., San Francisco, CA, United States  
Kauer, James C., Kennett Square, PA, United States  
PA Regents of the University of California, Berkeley, CA, United States  
(U.S. corporation)  
PI US 5134121 19920728  
AI US 1991-640577 19910114 (7)  
RLI Continuation of Ser. No. US 1989-299698, filed on 23 Jan 1989, now  
abandoned which is a continuation-in-part of Ser. No. US 1988-173975,  
filed on 28 Mar 1988, now abandoned  
DT Utility  
FS Granted  
STN INTERNATIONAL LOGOFF AT 11:36:43